Dredge Mermentau / Sabine-Naches Waterway USACE, Galveston District

Date: 3 / 12 / 97 Loads: 1 through 13
Area(s) Worked: $0+00 \rightarrow 50+00$
Weather Conditions: 5 Ewind 15-25 kts, Seas 3-5, Overlast with thunderstorms
Range of H <sub>2</sub> O Temperature: Surface 18°C Below Mid-Depth 18°C
Condition of all screening apparatus: All inflow Screening in excellent condition.
Are there incidents involving endangered or protected species? Yes NoX
Comments (type of material being dredged, biological specimens, etc.): Material dredged was  Silt. Biological Specimens were blue crabs, and jelly fish. Small
Silt. Biological Specimens were blue crabs, and jelly fish. Small
amounts of trash present.
Observers will be living ashore and Switching out trace a
- Dwy.
Dredging began at 1252 in that incident.
There were no incidents.
Bridge Watch Summary
Species # of Sightings # of Animals Comments
None Sighted &
Observer(s) On Duty: Rory Bahadur, Kathy Kruger

Dredge Mermentau / Sabine-Naches Waterway
USACE, Galveston District

Date: 3 / 13 / 97 Loads: 14 through 38
Area(s) Worked: $0+00 \rightarrow 50+00$
Weather Conditions: SE winds 10 Kts, Stas 2-4'
Range of H <sub>2</sub> O Temperature: Surface 18°C Below Mid-Depth 17-18°C
Condition of all screening apparatus: All inflow Screening in excellent condition.
Are there incidents involving endangered or protected species? Yes No
Comments (type of material being dredged, biological specimens, etc.):  Material dredged was Silterith small amounts of clay.  Biological Specimens included blue wabs, jellyfish, and I mantis  Shrimp.
Tosh also observed in screens
There were no incidents.
Bridge Watch Summary
Species # of Sightings # of Animals Comments
None signted &
Observer(s) On Duty: Kathy Kruger, Rory Bahadur

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge Mermentau / Sabine-Naches Waterway USACE, Galveston District

Date: 3/14	/47 L	oads: 39+h	ough 66
Area(s) Worked: 0	100	- 50 too	
Weather Conditions:	Cloudy, Fogge	C Rain Seas	1-3ft, Wind Whereming Nat 25 kts.
Range of H <sub>2</sub> O Tempe	erature: Surfac	e <u>18°C</u>	Below Mid-Depth 18°C
Condition of all scree	ening apparatus:	All screening	of apparetus is in excellent condition
			2 11 22 22 22 22 22 22 22 22 22 22 22 22
Are there incidents	involving endan	gered or prote	ected species? YesNoX
Comments (type of n	naterial being dre	edged, biologica	al specimens, etc.): Material being desclosed
was silt nith	soft clay a	ccumulating	in dragheads and deflectors.
	_	•	2
included 27 b	lucirabs, 5j	ellyfish, 2	flounders, limitelle, Butlass fishes,
Imantis Shrim	p, and oysti	rshuls.	
			A Sixeurs and deathacks
I Crab pot, an	d trash we	we found i	n Sivens and dragheads.
		-	There were no incidents.
		•	
		· · · · · · · · · · · · · · · · · · ·	
		<b>7</b> 0.1.1	·r
Species	# of Sightings		tch Summary
Tursiops truncatus	# of Sightings 2		Comments
- Tangaris		1014	Strurolling of month of jetties. 2
			juveniles observed.
	0		
Observer(s) On Duty:_	Kory Bahad	ur, Kathry	n kruege r
	<b>J</b>	, 5	δ

Dredge Mermentau / Sabine-Naches Waterway
USACE, Galveston District

Date: 3 / 15 / 97 Loads: 67 through 97
Area(s) Worked: Sabine Sea Bar Channel Stations Oton > 50+00
Weather Conditions: Wind NNE learning SE 10-20 kls, Seas 2-4ft, Overcost becoming clear
Range of H <sub>2</sub> O Temperature: Surface 18 C Below Mid-Depth 18 C
Condition of all screening apparatus: All inflow screens in excellent working condition.
Are there incidents involving endangered or protected species? Yes NoX
Comments (type of material being dredged, biological specimens, etc.): Material being dredged was silt with trace amounts of soft clay.
River longitude of an impact
Included the following: 29 blue crabs, 7 Atlantic Cutloss fishes, 2 whiles, I flounder, 15kake, 3 porgys, 2 jelly fish. There was very little trash.
I flounder, I skale, 3 porgys, 2 jelly fish. There was very little trash.
There were no incidents.
-
Bridge Watch Summary
Species # of Sightings # of Animals Comments
None signted \( \varphi \)
Observer(s) On Duty: Kathy Kruiger, Rory Bahadur

Dredge Mermentau / Sabine-Naches Waterway USACE, Galveston District

17 MAR 1997

### **WEEKLY SUMMARY**

Dates: 3 / 12 /97 - 3 / 15 / 97 Loads: 1 through 97
Range of H <sub>2</sub> O Temperature: Surface 18°C Below Mid-Depth 17°-18°C
Area(s) Worked: Sabine Sea Bar Channel - Stations 0 too -> 50 too
Are there incidents involving endangered or protected species? Yes No X  Comments:  03-12 Dredge began Sabine Bar Channel Contract without incident at 1252.  Observers will be Staying on Shore and switching out every 12 hours.  Material dredged was Silt with very little Soft Clay.  Biological Specimens included 73 blue crabs, 10 jelly fish, 2 mantis Shrimps, 3 flounder, 3 whelks, 10 Atlantic Cutlass fish, 1 skate, 3 porgys, and oyster Shells.  Trash including plastic, fishing mesh and line and crab pots
were also present.
There were no incidents or sightings this week.
Bridge Watch Summary  Species # of Sightings # of Animals Comments  Tursiops truwatus 1 10 ± 2 5 low rolling at jetty mouth; 2 juveniles
Observers On Duty: Kathryn Kruger, Rory Bahadur

Dredge Mermentau / Sabine-Naches Waterway USACE, Galveston District

# S. J. Mar.

Date: $\frac{3}{16} \frac{97}{16}$ Loads: $\frac{98-118}{1}$
Area(s) Worked: Sabine Sea Bar Channel Stations 0 to0 > 50 to0
Weather Conditions: Wind ESE at 20-25 kts, Seas 4-7ft, Overcost, rainy
Range of H <sub>2</sub> O Temperature: Surface 18° C Below Mid-Depth 18° C
Condition of all screening apparatus: All inflow Screen's in excellent working condition
Are there incidents involving endangered or protected species? Yes $N_0$ X
Comments (type of material being dredged, biological specimens, etc.):  The dredge anchored at 0830 hrs inside the jettles to carry out reports to the port dragarm. Dredge raised anchor and headed back to the dragarea at 1100 hrs.  Biological specimens included 19 Blue crashs, 2 wheles, 1 cutters fish and 2 forgres.  Also observed in screening was trosh consisting mainly of crash pots, fishing nets and plastic debris.  There were no incidents.
Bridge Watch Summary  Species # of Sightings # of Animals Comments :  NONE ———————————————————————————————————
Observer(s) On Duty: Rory Bahadur, Kathy Kruger

Dredge Mermentau / Sabine-Naches Waterway USACE, Galveston District

Date: 3 / 17 / 97 Loads: 119 through 150
Area(s) Worked: Sabine Sea Bar Channel Stations 0 too -> 50 too
Weather Conditions: Varied: Frem Wind SSE 25 hts - Epo kts, Owast howning sunny, Sees 2 - 664
Range of H <sub>2</sub> O Temperature: Surface 18-19°C Below Mid-Depth 17°-18°C
Condition of all screening apparatus: All inflow Scrunning in excellent working Condition.
Are there incidents involving endangered or protected species? Yes No
Comments (type of material being dredged, biological specimens, etc.):  Makvial dredged was Silt.  Brological specimens included 17 Blue crobs, 1 Flounder, 2 Jellyfish, 2 biggs, 1 skate, 2 Atlantic Cufless fish 1 whelk and onster stells.
Trush has also observed in screening
There were no inerdents.
Bridge Watch Summary
Species # of Sightings # of Animals Comments
lursiops truncatus 1 in Channel
Observer(s) On Duty: Rory Bahadur, Kathy Kruger

Dredge Mermentau / Sabine-Naches Waterway USACE, Galveston District

Date: 3 / 18 / 97 Loads: 151 — 184
Area(s) Worked: $0t00 \Rightarrow 50t00$
Weather Conditions: 3 Winel & Icts, Seas 3 Ft, Clearing Rain
Range of H <sub>2</sub> O Temperature: Surface 18-19°C Below Mid-Depth 17-18°C
Condition of all screening apparatus: All inflow screening in excellent condition.
Are there incidents involving endangered or protected species? Yes No
Comments (type of material being dredged, biological specimens, etc.):  Material dredged was sit.  Biological specimens included 6 Blue crabs, 2 lorgys, 4 Jellyfish,  whelk eag casings, oystershells and a sheepshead.  Trash including crab pols were also observed in clracheads cend
inflower cooping
There were no inerdents.
Dridge Wetch Summer.
Species # of Sightings # of Animals Comments =
The state of the s
jetty mouth
Observer(s) On Duty: Kathy Kruger, Rong Bahadur

### ENVANGEAU STECIES UDSEAVER TRUGRAIVI

Dredge Mermentau / Sabine-Naches Waterway
USACE, Galveston District

Date: 3/19/97 Loads: 185 through 213
Area(s) Worked: Otoo through 50 too and 50 too through 100 too Weather Conditions: NWind 20 kts, Seas 2-3 ft, Overcast
Weather Conditions: NWind 20 kts, Seas 2-3 ft Overcast
Range of H <sub>2</sub> O Temperature: Surface 18-19 C Below Mid-Depth 14-18 C
Condition of all screening apparatus: All inflow Swampy in excellent condition.
Are there incidents involving endangered or protected species? Yes No
Comments (type of material being dredged, biological specimens, etc.):
Observers are moved aboard and are now living on the dredge.  Material being dredaed was silt
Biological specimens included one large red drum, 3 whelks
ouster shells Therring, 3 decomposing fish and one flounder
Also observed in screens were crappets and trush.
There were no incidents.
Bridge Watch Summary
Species # of Sightings # of Animals Comments =
Tursiops trumatus 2 6 at jetly mouth
Observer(s) On Duty: Rong Bahadur, Kathryn Krueger

Dredge Mermentau / Sabine-Naches Waterway
USACE, Galveston District

Date: 3 / 20 / 97	Loads: 214-239
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-> 50 too and 50 too > 100 too
sau Maa	Louiskis sees color to 25t Clearskies
A of II A Tomporature: Si	Below Mid-Depth 17-18
Range of H <sub>2</sub> O Temperature.	rans: All inflow screening in excellent condution
Condition of all screening appara	atus. 770 ti Sv. 3
•	endangered or protected species? Yes No
Comments (type of material being	ing dredged, biological specimens, etc.):
Adal all bases Do	rad and 1115 61 +
Biologral specimen	included mussels, ouster shells, 2 decomposing fish, 1 Points
4 Atlantic cuttass fish, 11 b	due crabs, 2 whelles, and one jelly fish
Also observed in	screening was abietic trash.
	There were no incidents
•	Bridge Watch Summary
Species # of Sig	ghtings # of Animals Comments
None	
7.011	
0	Bahadur, Kathryn Knieger
Observer(s) On Duty: Kert	Variabut, Kariuti Kiteger

Dredge Mermentau / Sabine-Naches Waterway USACE, Galveston District

Date: 3 / 21 /97	Loads: 240 — 255
Area(s) Worked: 0 +0 0	> 50 + 0 0
Area(s) Worked: O 100	v Wind 5-15kts, Sens 1-3ff, Clear Skies
weather Conditions: //ww	e: Surface 18-19°C Below Mid-Depth 17-18°C
Range of H <sub>2</sub> O Temperatur	e: Surface 10 11 Class Science in excellent working condition
Condition of all screening	apparatus: All inflow Screening in excellent working condition
Are there incidents invol	ving endangered or protected species? YesNoX
Comments (type of materi	ial being dredged, biological specimens, etc.):
Malerial dica	doed was siltuith small amounts of Soft clau.
Dredge dark	id at 1900 for repairs and water and left the dock at 1600
Biological specin	men accumulation was light. Specimen accumulation ansisted army
and I do not be son to	Jank Poh
Also observed u	was trash including fishing line, net, crappets and plastic
	There were no incidents
	Bridge Watch Summary
	of Sightings # of Animals Comments
MONE	<del>0</del>
	Cathy Krueger, Rory Bahadur
Observer(s) On Duty:	MINING THE PARTY OF THE PARTY O

#### TANDER OF ECTED OPPER FER TWORKING

Dredge Mermentau / Sabine-Naches Waterway USACE, Galveston District

Date: 3 / 22 / 9	Z Load	ds: <u>256 —                                   </u>	284
Area(s) Worked: 0 too	50 50	) <del>100</del>	
Weather Conditions: 54	NES CLEAR T	D CLOUDY/HAZ	Y; WINDS WISWY 5-10KTS; SEAS 2-3-
Range of H <sub>2</sub> O Temperat	ure: Surface_	18°-19° C	Below Mid-Depth 18° - 25° C
Condition of all screening	ng apparatus:	6000	
		-	ted species? YesNo
Comments (type of mate	erial being dred	lged, biological	specimens, etc.): Observers trueger and
_	ked vessel	ar 1115 hrs	. Replaced by observers CADES AND
JOHNSON.	~~~ da +		That will be the stand of the stand
			TODAY INVOLVINO ENDANGERED SPECIES
			CUUDE 2 WHEILES, S CUTLASS FISH,
			WE SAMPLES INCLUDE FISHING LINE,
CLOTHING, RAS	- <del>-</del>		
	IIC, AND A	7501112	-,3(1)
		Bridge Wa	tch Summary
Species #	of Sightings	# of Animals	
1+	4		BOTTLEHOSE DULPHIN
-			
-			
Observer(s) On Duty:	Rose Bahadur,	kathy knuger,	Brett Johnson, Charlotte Cates

Dredge Mermentau / Sabine-Naches Waterway USACE, Galveston District

27 Mar

# **WEEKLY SUMMARY**

		7 Loads: <u>98 through 284</u>
Range of H <sub>2</sub> O Temperature:	Surface 186-	Below Mid-Depth 17 <sup>3</sup> - 20 <sup>3</sup>
		el - stations 0+00 → 100+00
/ Nou(o) // 0333-31-		
Are there incidents involving en	idangered or p	orotected species? Yes No
Comments: THERE WERE HO	THCIDENTS	INVULVING ENDANGERED SPECES HOR SIGHTINOS
Material dredge	d was silt	with very little Soft clay.
3-16 Dredge au	schored insu	de jetties at 0830 hours for repairs to the
port dragax	m. Dredging	began at 1100 hours.
3-19 Observers	are moved	aboard the dredge
		AND BAHADUR ARE REPLACED BY BRETT JOHNSON
AND CHARLAGE CATES	AT APPROX	6900 HPS.
BIDLOGICAL SPECIT	MENS THIS	WEEK INCLUDED SEVERAL BLUE CRABS,
CUTLASS FISH, PORGIES, F	-LOUNDER, SY	TEEPSITEAD, WHELLE, SKATES, RED DRUM, JELLY-
FISH, AND ASSORTED S	HEIS. TRA	SH SAMPLES INCLUDED MONOFILAMENT LINE,
CRABPOTS, HET, CHAIN	, CLOTHING	PLASTIC, AND OTHER MISCELLAINEDUS TRASH.
		IT IS INTACT, FULLY FUNCTIONAL, AND IN
GOOD MORKING OF DE	<u>2.</u>	
	Pric	lge Watch Summary
Species # of Sightings		
Species # of Sightings	# Of Allillais	BOTTLEHOSE DOLPHIN IN AND ABOUT WORK SITE AND
Juniops truncatus		AT DUMP SITE,
Observers On Duty. Kathrin	r Krweger.	Rory Bahadur, BRETT JOHNSON, CHARLOTTE CATES
Societies on Duty.	J	J

#### PUNCTURED OFFICIES ODGERIES INCORMIS

# Dredge Mermentau / Sabine-Naches Waterway USACE, Galveston District

Date: 03 / 23	>/97 Loads	: 285 -	310
Area(s) Worked:	STATIONS OTOU	1 50+0	0
Weather Conditions	: SKIES CLEAR TO P	אנץ כנסטסץ	WI SOME FOU; WINDS VARIABLE 5-10KB; SEAS 2-3
			Below Mid-Depth 19°-20° C
Condition of all scre	eening apparatus:	2000	
Are there incidents	s involving endanger	ed or protect	ted species? Yes No
Comments (type of	material being dredge	ed, biological	specimens, etc.):
DRED	GE MATERIAL IS	SILT WITH	H SOME CLAY, BIOLOGICAL SPECIMENS
INCLUDE BL	UE CRABS, CUILA	SS FISH.	JEILY FISH, AND ASSORTED SHE II.
TRASH SAMO	ES CONTINUE TO	BE HEAVY	MAINLY CONSISTING OF CLOTHING, CRAB
POTS, CHAIN	FISHING LINE,	HET, AND	eore.
THERE W	TERE NO INCIDEN	MULL	VIND ENDANGERED SPECIES HOR AMY
SILHTINUS	. ALL IS WEIL.		
		1,11	
	The second secon	<del>34 M</del>	
		Bridge Wa	tch Summary
Species	# of Sightings #	of Animals	Comments
_T+	2	9	BOTTLENOSE DULPHIN
-			
	O OTT		
Observer(s) On Dut	y: BRETT JOHNSON	+, CHARLO	ME CATES

# Dredge Mermentau / Sabine-Naches Waterway USACE, Galveston District

Date: 03 / 24	<u> 197</u> Lo	ads: 311 - 33	39
Area(s) Worked:	STATIONS OH	00 = 50 tax	)
Weather Conditions	: MUSTRY CLEARSI	KIES: WINDS	5-14 5-12 KTS; SEAS 2-3
Range of H <sub>2</sub> O Temp	perature: Surface	20°-21° (	Below Mid-Depth 20° C
Condition of all screen	eening apparatus:_	6000	
Are there incidents	s involving endan	gered or protect	ed species? YesNo
Comments (type of	material being dre	dged, biological	specimens, etc.):
THERE	WERE NO INCID	ENTS TODAY	INUOLULUU ENDANGERED SPECIES HOR ANY
SUMTINUS. D	REDUE MATBRIAN	- 15 SILT WI	TH SOME CLAY, BIOLOGICAL SPECIMENS
HAVE DECREASE	D IN QUANTITY	CONSISTING O	F BLUE CRAB, CUTLASS FISH, DELLYFISH,
FISH SKELETON	AND ASSOCIED	shals. Abla	TIL SAMPLES INCLUDE ROPE, NET, LINE,
CLOTHOLO, AHT	OTHER MISCEL	IAMEOUS TRAS	H. EQUIPMENT AND SCREENING IS
IN GOOD WORK	LING ORDER.		
		~	
48.			
		Daides Wes	al. Communication
Species	u . c o: 1 .:	_	ch Summary
Species — L	# of Signtings	# of Animals	₹
			BOTTENOSE DOLPHAY IN AND ABOUT WORK SITE
	-		
Observer(s) On Dut	y: BABIT JOHNS	M, CHARLOTT	E CATES

### FINALIAEUN SEECIES ODSENTEN ENOUNAIM

# Dredge Mermentau / Sabine-Naches Waterway USACE, Galveston District

37 8/10 4/57

Date: 03 / 25 / 9-	Loa	ids: 340 - 3	67
Area(s) Worked: 5TATI	0NS 0+00	- 50 +00	
			VINDS 5-14 5-20 KTS; SEAS 2-4
Range of H <sub>2</sub> O Temperatu	re: Surface	20°-21° C	Below Mid-Depth 20°C
Condition of all screening		_	
Are there incidents invo	lving endang	gered or protec	ted species? YesNo_X
Comments (type of mater	rial being dree	dged, biological	specimens, etc.):
DREDUE MA	MERIAL 14	SILT WITH	SOME CLAY DREDOE CONTINUES TO WORK
RED TOW LINE AND	TODAY ALSO	BEGAH WORK	ON THE GREGH TOW LINE.
BIOLOGICAL	specimens	REMAIN LIGHT	T CONSISTING OF BLUE CRABS, CUTLASS
FISH, OFHYFISH, A	IND ASSORTE	D SHEILS. O	THER SAMPES INCLUDE ROPE   NET / CINE,
	AND ASSORT	ED TRASH. E	QUIPMENT AND SCREENING IS IN GOOD
WORKING ORDER.			
***			
		Bridge Wa	tch Summary
Species         #           NO SIGHTI NUS	of Sightings	# of Animals	,
		•	
Observer(s) On Duty:	HARLOTE	CATES, BA	PETT JOHNSON

# Dredge Mermentau / Sabine-Naches Waterway USACE, Galveston District

Date: <u>03 / 2</u>	26 197 L	oads: <u>368-</u>	392
Area(s) Worked:	STA 0+00 - 50	100 / 29	°38.2'N 93°49.4'W
Weather Conditi	ons: Thunderstoems	> TO CLEARING	; WINDS VARIABLE 5-20 KTS; SEAS 2-4-
Range of H <sub>2</sub> O T	emperature: Surfac	e 19° - 20°	Below Mid-Depth 19° 20° C
Condition of all	screening apparatus:	6000	zotow ivid zepin
Are there incide	ents involving endar	igered or prote	ected species? Yes X No
Comments (type	of material being dr	edged, biologica	al specimens, etc.):
A TUR	TLE WAS SAMPI	LED DURING	LOAD # 376 AT APPROX 0813 HRS.
THE LEFT D	ORSAL ANTERIOR	AND POSTERIO	OR WERE MISSING. THE TURTLE WAS POSITIVELY
IDENTIFIED	AS LEPIDOCHELY	S KEMPI (K	EMPS RIOLEY) AND WAS DEEMED A
FRESH KILL	THE REMAIND	ER OF THE -	TUPTLE WAS FOUND AFTER LOAD # 385.
BOTH PARTS	WERE FOUND	IN THE PO	RT AFT LANDER. SEE INCIDENT REPORTS
AHD DIAGE	rans.		A. THE PARTOER : SEE THEIDER'S REPORTS
DREDUI	HO CONTINUES O	N THE RED	AND GREEN TOW LINES WITH THE MATERIAL
BEINU SILT	WITH SOME CL.	AY BUDLOUN	CAL SPECIMENS CONTINUE TO BE LIGHT IN
QUANTITY CO	ONSISTINU OF BI	VE CRAB CU	TLASS FISH, UENTFISH, AND ASSOCIED SHEILS.
OTHER SAMPL	ES INCLUDE P	LASTIC, ROPE/	NET / LINE, WOOD, CLOTHING AND ASSORTED
TRASH. EQ	NIPMENT AND SC	PEENING IS IN	WTACT, FULLY FUNCTIONAL, AND IN GOOD
WORKING OR	DER. THE CREW	HAS BEEN I	MOST ACCOMPDATING IN ALL INSTANCES.
			THE
-			
			7
		Bridge Wa	atch Summary
Species	# of Sightings		Comments
T+		<u> </u>	BOTTLENDSE DOLPHING IN AND ABOUT WORK SITE
Observer(s) O	DOM:		*
Ouserver(s) On Di	uty: BRETJOHNS	20H, CHARLO	TE CATES

#### WINDOW I WESTER OPSERVED I VOCIONAL

# Dredge Mermentau / Sabine-Naches Waterway USACE, Galveston District

31 MAR 1997

Date: 03 / 27 / 97 Loads: 393 - 418
Area(s) Worked: STATIONS 0+00 TO 50+00
Weather Conditions: CLEAR TO PRY CLODY; WINDS E SE 10-20 KTS; SEAS 2-3
Range of H <sub>2</sub> O Temperature: Surface 20°-20.5° C Below Mid-Depth 19°-20.5° C
Condition of all screening apparatus: Good
Are there incidents involving endangered or protected species? Yes NoX
Comments (type of material being dredged, biological specimens, etc.):
DREDGE CONTINUES WORK ON RED AND GREEN TOW LINES. MATERIAL DIGGING
IS SILT WITH SOME CLAY. BIOLOGICAL SPECIMENS REMAIN LIGHT IN QUANTITY
CONSISTING OF BLUE CRABS, CUTLASS FISH, ASSORTED FISH PARTS, AND SHEIL GARBAGE
SAMPLES CONTINUE TO BE HEAVY IN QUANTITY CONSISTING OF WOOD, PLASTIC, CLOTHING,
ROPE/NET LINE, AND OTHER ASSORTED TRASH. EQUIPMENT AND SCREENING IN
GOOD CONDITION. THERE WERE NO INCIDENTS INVOLVING ENDANGERED
SPECIES NOR ANY SIGHTI NOS.
Bridge Watch Summary
Species # of Sightings # of Animals Comments
T+ 2 8 BOTTLENOSE DOLPHIN
•
Observer(s) On Duty: BRETT JOHNSON, CHARLATTE CATES

### THE TOTAL OF ECIED ODDENTER FROM ANY

# Dredge Mermentau / Sabine-Naches Waterway USACE, Galveston District

Date: 03 / 28 / 97 Loads: 419 - 437
Area(s) Worked: STATIONS 0 +00 - 50 +00
Weather Conditions: PTCY CLOUDY FOL EARLY MORNING; WINDS SE SW 5-20 KTS; SEAS 2-4 FEET
Range of H <sub>2</sub> O Temperature: Surface 20°-21.5° C Below Mid-Depth 20°-21.5° C
Condition of all screening apparatus: GOOD
Are there incidents involving endangered or protected species? Yes No
Comments (type of material being dredged, biological specimens, etc.):
TORRES (ALICE ST. )
DREDGE CONTINUES WORK ON RED AND GREEN TOW LINES. DREDGE
MATERIAL IS SILT WITH SOFT CLAY, BIOLOGICAL SAMPLES ARE FEW CONSSTAND OF
BLUE CRAPS, CUTLASS FISH, ASSORTED FISH PARTS, AND SHEIL GARBAGE SAMPLES
CONTINUE TO BE HEAVY CONSISTING OF WOOD, PLASTIC, ROPE NET LINE, CLOTHING,
AND OTHER ASSORTED TRASH. EQUIPMENT AND SCREENING IN GOOD CONDITION.
THERE WERE NO INCIDENTS INVOLVINU ENDANGERED SPECIES NOR ANY
SIGHTIMUS. AIL IS WEIT.
Bridge Watch Summary
Species # of Sightings # of Animals Comments + NO SIGHTINGS
Observer(s) On Duty: BRETT JOHNSON, CHARLOTTE CATES

### ENDUNINGEND STECIES ODSENTER FROGRAMI

Dredge Mermentau / Sabine-Naches Waterway USACE, Galveston District

Date: 03 / 29 / 97 Loads: 438 - 463
Area(s) Worked: STATIONS 0400 - 50 +00
Weather Conditions: PTLY CLOUDY HAZY FOO; WINDS SW 10 KTS TO LIGHT AIRS; SEAS CALM TO 3 FEE
Range of H <sub>2</sub> O Temperature: Surface 21°C Below Mid-Depth 21°C
Condition of all screening apparatus:
Are there incidents involving endangered or protected species? Yes No_X
Comments (type of material being dredged, biological specimens, etc.):
DREDGE CONTINUES WORK ON RED AND GREEN TIW LINES. MATERIAL IS
SILT WITH GOME SOFT CLAY, BIOLOGICAL SAMPLES. LIGHT IN QUANTITY CONSISTING
OF BLUE CRAPS, CUTLAGS FISH, WEILYFISH, ASSORTED FISH PARTS, AND SHELL.
GARBAGE SAMPLES INCLUDE WOOD, ROCK, PLASTIC, CLOTHING, ROPE/HET/LINE,
AND OTTER ASSOCIED TRASH. EQUIPMENT AND SCREENING IN GOOD CONDITION.
THERE WERE NO INCIDENTS INVOIVING ENDANGERED OR
PROTECTED SPECIES
Bridge Watch Summary
Species # of Sightings # of Animals Comments +
TE 3 11 BOTTLENDSE DOLPHIN
Observer(s) On Duty: BRETT JOHNSON, CHARLOTTE CATES

Dredge Mermentau / Sabine-Naches Waterway
USACE, Galveston District

### **WEEKLY SUMMARY**

Dates: 03	123 197 -	03/29/	97	Loads: 285 - 463
Range of H <sub>2</sub>	O Temperature:	Surface 19	°-21°C	Below Mid-Depth 19° - 21.5°C
Area(s) Work	ced: STATIONS	0 + 00 - 5	50 + 00	•
Are there inc	cidents involving	endangered or	protected sp	pecies? Yes_\(\frac{\tames}{\tames}\) No
Comments:				
A \	KEMPS RIOLEY	SEA TURTL	E (LEPIDO	CHELYS KEMPI) WAS SAMPLED ON
03/26/9-	) . AT THE EN	D OF LOAD #	376 AT 1	APPROXIMATELY 0813 HRS THE SPECIMEN
WAS FOUN	id mostly likt	CT WITH TH	E LEFT DOF	SSAL ANTERIOR AND POSTERIOR MISSINU.
THE TURTO	IE WAS POSITA	JELY IDENTIFIC	D PHOTOG	RAPHED, AND DEEMED A FRESH KILL.
KOB HAUCI	H OF USACE (	SALVESTON W	AS (MMEDI	ATELY NOTIFIED. THE REMAINDER OF
THE TURT	E WAS FOUND	AT THE END	OF LOAD	# 385 ALSO IN THE PORT AFT LANDER.
SEE INCID	DENT REPORTS	AND DIAGRA	IMS FOR DE	TAILS.
DREC	DRING CONDINOE	S ON THE PE	ED AND GRE	EN TOW LINES MATERIAL DIGGING IS
SILT WITH	H SOME SOFT	CLAY. BIOL	LOUICAL SP	ECIMENS INCLUDE BLUE CRAB, CUTLASS
FISH, UEI	ILYFISH, ASSORT	ED FISH PAR	TS AND SHO	EII. GARBAGE SAMPES INCLUDE WOOD,
RUCK, PL	ASTIC, CLOTHIN	U, ROPE / NET	LINE, AN	DOTHER MISCELLANEOUS TRASH.
EWIPME	NT AND SCREE	NING IS INTA	CT, FULLY	FUNCTIONAL, AND IN GOOD WORKING ORDER
<del></del>			······································	
<del></del>				
<del></del>				
		Brie	dge Watch Su	mmary
Species	# of Sightings		Comments	
<u>T</u>		<u> 40</u>	BOTTLENO	SE DOLPHIN
			4	
1				
Observers On	Duty: BRETTC	JOHNSON CH	ARLOTTE CAT	ξŚ

Dredge Mermentau / Sabine-Naches Waterway USACE, Galveston District

Date: 03/30/97 Loads: 464-492
Area(s) Worked: STATIONS 0+00 - 50+00
Weather Conditions: OVERCAST HAZY; WINDS VARIABLE 0-20 KNOTS; SEAS CALM TO 3 FEET
Range of H <sub>2</sub> O Temperature: Surface 21°-22° C Below Mid-Depth 21°-22° C
Condition of all screening apparatus: Goo
Are there incidents involving endangered or protected species? Yes No  Comments (type of material being dredged, biological specimens, etc.):
THERE WERE NO INCIDENTS INVOLVING ENDANGERED SPECIES NOR ANY
SIGHTINGS. DREDGE CONTINUES WORK ON RED AND GREEN TOW LINES. BIOLOGICAL
SPECIMENS LIGHT IN QUANTITY CONSISTING OF BLUE CRAB, FLOUNDER, RED DRUM,
CUTLASS FISH, ASSORTED FISH PARTS, AND SHELL. GARBAGE SAMPLES INCLUDE
WOOD, PLASTIC, ROCK, CLOTHING, ROPE   NET / LINE, AND OTHER ASSORTED TRASH.
EQUIPMENT AND SCREENING IN GOOD CONDITION. DREDGE MATERIAL IS SILT WITH
SOME SOFT CLAY.
Bridge Watch Summary
Species # of Sightings # of Animals Comments
TE 1 BOTTLENOSE DOLPHIN
Observer(s) On Duty: BRETT JOHNSON, CHARLOTTE CATES

Dredge Mermentau / Sabine-Naches Waterway
USACE, Galveston District

Date: 03 / 31 /97 Loads: 493-517	
Area(s) Worked: Stations 0+00-50+00	
Weather Conditions: partly Cloudy/overtast, winds variable 10-28 knots, Seas 2-5 fee	 ł
Range of H <sub>2</sub> O Temperature: Surface 20'-21' C Below Mid-Depth 20'-21' C	*
Condition of all screening apparatus: <u>Good</u>	
Are there incidents involving endangered or protected species? Yes NoX	
Comments (type of material being dredged, biological specimens, etc.):	
There were no incidents involving endangered or protected species	
nor any Signtings. Dredge Continues work on red and areen tour lines	
as well as quarter lines. Biological samples light in quantity	
L'ONSISTING OF Dive Crabs and fish parts, Jachage samples include	₹.
wood, plastic, rock, clothing, rope, net, line, crap pots and	<u> </u>
Other USSorted trash	
Port araghead down at 1220 hours due to a malfunction in	
Pump, continued to be down entire day. All other equipment and	
Screening in Good condition. Dredge material is silt with som	— P
Soft Clay.	
	_
Bridge Watch Summary	
Species # of Sightings # of Animals Comments	
Tursiops truncatus 3 5	
Observer(s) On Duty: Brett Johnson, Charlotte Cates	
Continue (all)	

Dredge Mermentau / Sabine-Naches Waterway
USACE, Galveston District

Date: 04/01/97 Loads: 518-526	
Area(s) Worked: STATIONS 0+00 - 50+00	
Weather Conditions: OVERCAST SKIES; +WINDS SE 10-20 KNOTS; SEAS 2-5 FEET	
Range of H <sub>2</sub> O Temperature: Surface 19.5° - 20.5° C Below Mid-Depth 19.5° - 20.6° C	
Condition of all screening apparatus: 600	
Are there incidents involving endangered or protected species? Yes No_ $\chi$	
Comments (type of material being dredged, biological specimens, etc.):	
DREDGE CONTINUED WAR AND COTTAIN THE	
DREDUE CONTINUED WORK ON RED AND GREEN TOW LINES DIUGING WITH	
STARBOARD DRAGARM ONLY. DREDGING CEASED AT 0712 TO BEGIN TRANSIT TO SHIPYARD TO UNDERGO REPAIRS TO PORT DRAGARM AND TO TAKE ON FUEL AND WATE	
DREDGE APRIVED AT DICK AT 0817 AND SPENT DAY IN LAY WHILE INSTAILING A	EK,
WATER INJECTION DREDWING (WID) HEAD TO THE PORT SIDE. WATER INJECTION DREDGING	
BEWAN AT 1708. THE STARBOARD DRAWARM IS HELD AT 12 FEET BELOW THE WATER	
SURFACE AND IS USED FOR INTAKE OF WATER WHICH IS THEN TRANSFERED THROUGH	<u> </u>
PUMPS TO PORT SIDE WHERE IT IS EXPENSED THROUGH PORT SIDE WID. THIS METHOD I	
BEING USED TO KNOCK DOWN THE HIGH SPOTS IN THE DREDGE WORK AREAS. THE STARBOI	<u>&gt;</u>
DRADARM AND PORTWID WILL BE BROWNT ON BOARD EVERY to HOURS FOR INSPECTION BY	meu v
THE TURBLE OBSERVERS. DREDWING CEASED AT 2215 DIE TO ROUGH SEA CONDITIONS.	1
STAPBOARD DRAWARM AND WID INSPECTED, SHIP TO ANCHOR FOR THE REMAINDER OF EVENING	
BIOLOGICAL SAMPLES INCOUDED BLUECRABS, CUTLASS FISH, AND JETLY FISH WITH SOME SH	men.
BARBAGE SAMPLES CONSIST OF WOOD, PLASTIC, CLOTHING, PODE, NET, LINE, AND OTHER ASSIGN	ED.
TRASH. DREWE MATERIAL IS SILT WITH SOME SUFT CLAY. NO INCIDENTS TO REPURT	
Bridge Watch Summary	
Species # of Sightings # of Animals Comments	
NO SIGHTINGS	
Observer(s) On Duty: BRETT JOHNSON / CHARLOTTE CATES	

Dredge Mermentau / Sabine-Naches Waterway
USACE, Galveston District

# **WEEKLY SUMMARY**

Dates: 03 / 30 / 97 - 04 / 05 / 97 Loads: 464 - 526 WATER INJECTION DREDWING
Range of H <sub>2</sub> O Temperature: Surface 19.5° - 22° C Below Mid-Depth 19.5° - 22° C
Area(s) Worked: STATIONS 0400 TO 5+000 (PREVIOUSLY REPORTED AS 0400 TO 50+00WHICH WAS INCORRECT
DREDGE HAS WORKED SAME STATION SINCE BEGINNING OF JOB)
Are there incidents involving endangered or protected species? Yes No
Comments: THERE WERE NO INCIDENTS INVOLVING ENDANGERED SPECIES THIS WEEK NOR
ANY SICHTINGS. DREDGE HAS CONTINUED WORK ON RED AND GREEN TOW LINES WITH DREDGE
MATERIAL BEING SILT WITH SOME SOFT CLAY. BIOLOGICAL TAKE HAS BEEN LIGHT IN QUANTITY
CONSISTING OF BLUE CRAB, FLOWNDER, RED DRIM, CUTLASS FISH, ASSOPTED FISH PARTS, AND SHETT.
GAPBAGE SAMPLES INCLUDE WOOD, PLASTIC, ROCK, CLOTHING, ROPE, NET, LINE, CRABPOTS AND
OTHER ASSOCRED TRASH. PORT DRAWNEAD NOT USED FROM 1220 ON 03/31 TO 0712 ON 04/01
DUE TO MALFUNCTION. DREDUE AT SHIPYARD AT 0817 ON 04/01 TO UNDEPLO REPAIRS TO PORT
DRAWARM AND TO TAKE ON FUEL AND WATER. A WATER INJECTION DREDGE (WID) HEAD WAS INSTAILED
TO PORT DRAGARM AND WIDDING BEGAN AT 1708 ON OH OI. THE STARBOARD DRAGARM WILL BE
HELD AT APPROXIMATELY 12 FEET BELOW WATERS SURFACE AND IS USED FOR INTAKE OF WATER WHICH
IS THEN TRANSFERRED THROUGH PUMP TO PORT SIDE WHERE IT IS EXPERIED THROUGH PORT WID HEAD.
THE WID HEAD IS HELD ON THE BOTTOM AND USED TO KNOCK DOWN HIGH SPOTS IN DREDGE AREA.
THE STARBOARD DRAWARM AND WID HEAD IS BROWGHT ON BOARD EVERY SIX HOURS FOR INSPECTION.
DREDGING CEASED AT 2215 ON OH OI AND REMAINED AT ANCHOR UNTIL 0730 ON 04/05
DUE TO ROUCH SEA CONDITIONS. WATER INJECTION DREDGING RESUMED AT 0825 DA 04/05.
NO LOAD NUMBERS WILL BE COUNTED. THE OBSERVERS WILL CONTINUE TO RELORD AREA WORKED,
WEATHER COMDITIONS, WATER TEMPERATURES, AS WELL AS MAINTAIN A BRIDGE WATCH DURING
DAYLIGHT HOURS. A LOW WILL BE KEPT ON DAILY REPORT OF THE SIX HOUR INSPECTIONS
OF STAPBOARD DRAGARM AND WID HEAD. EQUIPMENT AND SCREENING INTACT, FULLY
FUNCTIONAL, AND IN GOOD WORKING ORDER.
Bridge Watch Summary
Species # of Sightings # of Animals Comments
TY 8 BUTLENOSE DOLPHIN
Observers On Duty: BRETT JOHNSON / CHARLOTTE CATES

Dredge Mermentau / Sabine-Naches Waterway
USACE, Galveston District

Date: <u>04/08</u>	$\frac{19+}{}$ La	oads: <u>NA</u>			
Area(s) Worked: N					
Weather Conditions:	Skies over	cast + wini	7 10-90 K	nots, Seas	4-10 feet.
Range of H <sub>2</sub> O Temp	erature: Surface	e NA		Below Mid-Dept	h NA
Condition of all scree				•	
Are there incidents	involving endan	gered or protec	cted species?	Yes	No_X
Comments (type of n	naterial being dre	edged, biologica	l specimens,	etc.):	
Dredge was	anchored	d all day	due to	bad weat	ther.
	·	J	······································		
			- 12 - 12 - 12 - 12 - 12 - 12 - 12 - 12		
			<del></del>		
	-				
		Bridge Wa	tch Summary	<i>,</i>	
Species	# of Sightings	# of Animals	•		
NONE	<u>Ø</u>				
		•			
Observer(s) On Duty:	Brett John	son, Charl	otte Cate	'S	

Dredge Mermentau / Sabine-Naches Waterway
USACE, Galveston District

Date: 04 /03 /	97 Loads: NA
Area(s) Worked: No	NE
Weather Conditions:	vercast, winds + 10:20 Knots seas 1.2 feet in anchorage
	rature: Surface NA Below Mid-Depth NA
Condition of all scree	ning apparatus: NA
Are there incidents in	nvolving endangered or protected species? YesNoY
Comments (type of m	anchored all clay ove to bad weather
Species	Bridge Watch Summary # of Sightings # of Animals Comments
NONE	<u></u>
Observer(s) On Duty:_	Brett Johnson, Charlotte Cates

Dredge Mermentau / Sabine-Naches Waterway USACE, Galveston District

Date: 04 104 197 Loads: NA
Area(s) Worked: NONE
Veather Conditions: Overcast / Showers, winds EISE 10.30 Knots, Seas 1.2 Feet at anch
Range of H <sub>2</sub> O Temperature: Surface NA Below Mid-Depth NA
Condition of all screening apparatus: NA
Are there incidents involving endangered or protected species? Yes No_\times
Dredge was anchored all day due to rad weather
Bridge Watch Summary
pecies # of Sightings # of Animals Comments
Observer(s) On Duty: Brett Johnson, Charlotte Cales

# LIDAIUERD SPECIES UDSERVER PRUGRAM

Dredge Mermentau / Sabine-Naches Waterway
USACE, Galveston District

Weather Cond	itions: Skies / Thind	ERSTORMS WINDS	E SE TO NW 15-304TS; SEAS 1-3' CHANDING TO LEAR SKIE
Range of H <sub>2</sub> O	Temperature: Surfac	e2♂.5° C	Below Mid-Depth N/A
Condition of a	ll screening apparatus:	G00D	
Are there inci-	dents involving endar	igered or prote	cted species? Yes No
Comments (typ ENDANGERED	oe of material being dro SPECIES NOR ANY	edged, biologica	al specimens, etc.): NO INCIDENTS INVOLVING
			30. DREDUE RESUMED WATER INJECTION DREDU
AT 0825.	UBSERVERS INSPEC	CTING STARBO	ARD DRAWHEAD AND PORT WID HEAD
ENERY SIX	HOURS. INSPECT	UNS AT DA	59, 1600, 2135 AN OK. NO DEBRIS, 10
SMALL FISH	FOUND AT 2135	INSPECTION.	EQUIPMENT AND SCREENING IN GOOD CONDITION.
			The service of the se
		Bridge Wa	atch Summary
-	# of Sightings	Bridge Wa	,
Species T+	# of Sightings	_	,
-	# of Sightings	# of Animals	Comments
	# of Sightings	# of Animals	Comments
· .	# of Sightings	# of Animals	Comments

### EMPANGERU SPECIES UDSEKYEK PRUGKAM

Dredge Mermentau / Sabine-Naches Waterway USACE, Galveston District

Date: 09 / 05 /97	Lo	oads: WATER INJECTION DREDUIND (WIDDING)	
Area(s) Worked: 5TATIO	N 0400 7	TO 5+000	
Weather Conditions: CLE	AR SKIES:	: LIGHT AIRS TO SSW WINDS 5-10 KNOTS; SEAS CALM TO	2
Range of H <sub>2</sub> O Temperatur	re: Surface	e	_
Condition of all screening			
		edged, biological specimens, etc.):	
MADE OF DV 150000	INDER JO	WID ON RED AND GREEN TOW LINES INSPECTIONS WE	IRE
MADE AT ALL STREBO	IED DRACH	TEAD AND WID HEAD INSPECTION PLATE INSPECTIONS WE	RE
C 112 12 12 12 12 12 12 12 12 12 12 12 12	20, 1623,	, AND 2207 HRS. NO DEBRIS OR BIOLOGICAL SPECIMEN	<u>.S</u>
HOND THERE WE	ZE NO INC	CIDENTS INVOLVING ENDANGERED SPECIES NOR ANY	
2/014/14/03 10/14	7. EUSIL	PMENT AND SCREENING IN GOOD CONDITION. All ISW	E11.
	·		
	<del></del>		
		Bridge Watch Summary	
Species # o	f Sightings	· · · · · · · · · · · · · · · · · · ·	
NO 516HTINGS	i bigiitiligs	# of Animals Comments	
Observer(s) On Duty: Be	ZETT JOHNS	SON / CHARLOTTE CATES	

### ENDUNGERD SI ECIES OBSERTER PROGRAM

Dredge Mermentau / Sabine-Naches Waterway
USACE, Galveston District
1 4 APR 1997

Date: 04 / 0	7/97 Loa	ads: WID THEN LOADS 527 - 542
Area(s) Worked:	STATIONS 0+00	TO 51000 AND 51000 TO 10+000
Weather Condition	ons: CLEAR TO PTLY C	LOUDY; WINDS HE 10-20KHOTS; SEAS 1-4 FEET
Range of H <sub>2</sub> O To	emperature: Surface	Below Mid-Depth 20°C
	screening apparatus:_	
Are there incide	ents involving endang	gered or protected species? Yes No
Comments (type	of material being dred	dged, biological specimens, etc.):
THERE I	WEPE HO INCIDENTS	INVOLVING ENDANGERED SPECIES TO DAY NOR ANY SIGHTINUS.
		130 HOURS AT WHICH TIME DREDGE LEFT FOR DOCK TO
		WLAK DRAGARY ON PORT SIDE, DREDGING RESUMED AT
1156 HPS V	NITH LOAD # 52	7 DIUDING ON BOTH ARMS. MATERIAL IS SILT WITH
SOME CLAY	. DREDGE DIGGING	C IH NEW STATION 51000 TO 101000 SELTION 8.
		SPECIMENS OTHER THAN SOME SHELL GARBAGE SAMPLES
WERE HEAD	Y COMSISTING OF	WOOD, PLASTIC, CLOTHING, ROPE, HET, LINE, AHD OTHER
		NT AND SCREENING IN GOOD CONDITION
• • • • • • • • • • • • • • • • • • • •		
		Bridge Watch Summary
Species	# of Sightings	# of Animals Comments
Observer(s) On I	Duty: BRETT JOHIN	ISON CHARLOTTE CATES

# ENDWINGERD SLECTES OBSEKAEV LV LVORVAM

# Dredge Mermentau / Sabine-Naches Waterway USACE, Galveston District

1.4 APR 1997

Date: 04 / 08 / 97 Loads: 543 - 568
Area(s) Worked: STATION 5+000 TO 10+000
Weather Conditions: PARTLY CLOUDY SHOWERS; WINDS E NE 15-20 KHOTS; SEAS 2-4" CONFUSED
Range of H <sub>2</sub> O Temperature: Surface 19.5° 20° C Below Mid-Depth 19.5° 20° C
Condition of all screening apparatus: 600
Are there incidents involving endangered or protected species? Yes
DREDGE CONTINUES WORK ON PED AND OPEEN TOW LINES, DREDGE MATERIAL IS SILT
WITH SOME CLAY. BIOLOUICAL SPECIMENS LIGHT IN QUANTITY CONSISTING OF BLUECRAB,
CUTLASS FISH, SHELL, AND ASSORTED FISH PARTS, WARBAUE SAMPLES INCLUDE WOOD, PLASTIC,
CLOTHING, NET, ROPE, LINE, AND OTHER MISCENAHLOWS TRASH. DREDGING CEASEAD AT 0846
DE TO TRUNNION PROBLEMS AND INTO DOCK FOR PERAIRS. DREDGING RESUMED AT 1518.
ALSO AT 1518 OBSERVERS SLIGHTLY MODIFIED METHODOLUGY OF INSPECTION. PREVIOUSLY THE
LANDERS AND INSPECTION PLATES WERE CLEANED OF DEBAS EVERY LOAD WHICH WAS EVERY
20 MINUTES. THE DIFFICULTY IN TURN AROUND TIME HAS WARRANTED THE OBSERVERS TO CLEAN DEBAS
EVERY TWO TO THREE LOADS. INSPECTION OF DRAGARMS AND SCREENING WILL CONTINUE
ON EVERY LOAD THE ONLY DIFFERENCE BEING IS THAT THEY WILL NOT BE CLEANED EVERY LOAD.
EQUIPMENT AND SCREENING IS INTACT, FULLY FUNCTIONAL, AND IN 600D WORKING
ORDER. THERE WERE NO INCODENTS INVOLVENO ENDANGERED SPECIES NOR
ANY SIGHTINUS
Bridge Watch Summary
Species # of Sightings # of Animals Comments NO SIGHTINGS
Observer(s) On Duty: BRETT JOHNSON   CHARLOTTE CATES

Dredge Mermentau / Sabine-Naches Waterway USACE, Galveston District

# DAILY REPORT

1.4 APR 1997

Date: 04 109 19	1 Loa	ds: 564-605		
Area(s) Worked: Stal	tion 5too	0-10+000		
Weather Conditions: Cl	ear to Cloud	dy, winds, E-1	NE to Fast 600 K	inots, Seas 2-4 feet
Range of H <sub>2</sub> O Temperat				
Condition of all screening	ng apparatus: <u>(</u>	200d		
Are there incidents inv	olving endang	ered or protected	species? Yes	No_√
Comments (type of mate				
			1 tow lines. Or	
- Material is s	silt with	Some Clay.	Biological Spe	cimens
light in Quan	tity cons	isting of blu	le Craps, Flounc	lei, Cutlass fish.
Gar Dage Sample	es also l	ight in quan	tity Consisting	of wood plastic
Clothing, rope	, net, lin	e, Shell, and	d other assorte	d trash.
Equipment and	d Screenin	og in Good	condition. The	ere Were no
incidents inv	iolving er	dangered SI	pecies not any	Sightings.
		F		
	· · · · · · · · · · · · · · · · · · ·			1
	······································			41
		Bridge Watch	Summary	
Species #	of Sightings	# of Animals Co	omments	
Tursippo truncatus		4		
				· · · · · · · · · · · · · · · · · · ·
Observer(s) On Duty:	brett Johns	on. Crriclett	e Cates	

Dredge Mermentau / Sabine-Naches Waterway
USACE, Galveston District
14 APR 1997

Date: 04 / 10 /	<u>47</u> Lo	oads: 606	643
Area(s) Worked:	ation 510	000-10+0	300
Weather Conditions:	Clear to par	tly aloudy	, Easterly winds (0-20 Knots, Seas 1-5 Fee
Range of H <sub>2</sub> O Tempe	rature: Surface	e <u>20'-20.5'(</u>	Below Mid-Depth 20.5°C
Condition of all screen	ning apparatus:_	Good	
Are there incidents is	nvolving endan	gered or protec	cted species? Yes $N_0 \chi$
Comments (type of m	aterial being dre	edged, biologica	1 specimens, etc.): <u>Dredge</u> Continues
morking m	and and an	1000 La. 11	Since Dead a soli il in mill
with some	Clay. Ga	(base sar	moles light in augntitue consisting
<u> </u>	idone, cio	ming, rope	THE SICH and other
assorted trae	sh Equip	ment and	Screening in good condition
<u>Observers</u>	moved to	hotel ar	nd will be working 12 hour
Shitts.			<b>~</b>
There w	lere no in	cidents i	hunlying endangered species
nor any Sig	<del>jhtings</del>		
		Bridge Wa	tch Summary
Species	# of Sightings	_	
			Bottlenose doloni
			Drienose Colpra
Observer(s) On Duty:	Brett John	son Cr	arlotte Cates

Dredge Mermentau / Sabine-Naches Waterway
USACE, Galveston District

14 APR 1997

Date: 04/11/97 Loads: (944 to 677
Area(s) Worked: Station 5+000 to 10+000
Weather Conditions: Partly Cloudy to overcost, winds E'ly-SE'ly 8.20 knots, Seas 3.5 feet
Range of H <sub>2</sub> O Temperature: Surface 20°C Below Mid-Depth 20°C
Condition of all screening apparatus:
Are there incidents involving endangered or protected species? Yes No
Comments (type of material being dredged, biological specimens, etc.):
Dredge Continues working on red and green tow lines.
Dredge material is silt with some clay. Garbage samples
light in quantity consisting of wood, plastic, clothing, rope,
Met, line, Shell and Other assorted trash, Biological
Samples include one blue Crab. Equipment and screening
in good condition.
There were no incidents involving endangered species.
Bridge Watch Summary
Species # of Sightings # of Animals Comments
Tursings truncates 2 5 DOHLEAUSE Clotphin
Observer(s) On Duty: Charlotte Cates, Brett Johnson

Dredge Mermentau / Sabine-Naches Waterway USACE, Galveston District

1 4 APR 1997

Date: $64/12/97$ Loads: $678-716$
Area(s) Worked: Station 5+000 to 10+000, SF to N'ly winds 8-20Kts, Seas 1-5 fee
Weather Conditions: Partly Cloudy to thunderstorm.
Range of H <sub>2</sub> O Temperature: Surface 19°- 20° C Below Mid-Depth 19°-20° C
Condition of all screening apparatus:
Are there incidents involving endangered or protected species? Yes NoX
Comments (type of material being dredged, biological specimens, etc.):  Dredge Continues working on red and green tow lines. Dredge material is silt with some clay. Garbage Samples light in quantity Consisting of wood, plastic, Clothing, rope, net. line, shell, Crabpots and other assorted trush. Biological Samples Include; blue crabs fish parts, Cutlass fish, red snapper, egg. Casinos, one, ray. Equipment and screening in good Condition.  There were no incidents involving endangered species.
Bridge Watch Summary
Species # of Sightings # of Animals Comments  Tursiops trurvatus 1 4 Bottlenose dolphins
Observer(s) On Duty: Charlotte Cates, Brett Johnson

Dredge Mermentau / Sabine-Naches Waterway USACE, Galveston District

14 APR 1007

#### **WEEKLY SUMMARY**

Dates: $04/06/94 - 04/18/97$ Loads: $527-116$
Range of H <sub>2</sub> O Temperature: Surface 18°- 20.5°C Below Mid-Depth 18°- 20.5°C
Area(s) Worked: Stations 0+00 - 5+000 and 5+000 to 10+000
Are there incidents involving endangered or protected species? Yes $N_0$ _ $\chi$
Comments:
Dredge worked on red and green towlines with wid head on 4-6
and 4-7. On 4-7 dredge left for port at 0730 hours to replace
With head with regular dragarm. Dredge then Starled new
Station 51000 to 10 to00, Section 8 at 11510 hours digging
with both aims. Dredge material is silt with some clay.
Garbage Samples light in Quantity Consisting of wood, plastic,
Clothing, rope, line, net, shell, crappols and other miscellaneous
trash. Biological Samples include; blue crabs, fish parts,
Cutlass fish, red snapper, one ray, egg cosmos, flounder. Fayinment
and Screening intact, fully functional and in good working
Axoer.
Observers were moved to a note! on 4-10 and have resumed
12 hour shifts. On 4-8 at 1518 observers slightly modified
methodology of inspertion, previously the landers and inspection
plates were cleaned of debris every load every 20 min. However the difficulty in turn around time has warranted the observers
to clean debris every two to three loads. Inspection of dragarms
and Screening will continue on everyload the only difference
being that the inspection plates will not be cleaned
every load.
Bridge Watch Summary
Species # of Sightings # of Animals Comments
Tursiops truncatus 4 14 Bottlenose Golphin
Observers On Duty Charlote Cates, Brett Johnson
Source on Day . Car to receive the profession

Dredge Mermentau / Sabine-Naches Waterway
USACE, Galveston District

17.4 APR 1397

Date: <u>64</u> /	13/97 Loads: 717 to 754
Area(s) Worked	d: Station 5+000 to 10+000
	tions: Cloudy to clearing skies, winds 8-20 knots. Seas 1-3 feet
Range of H <sub>2</sub> O	Temperature: Surface 17.5° to 18°C Below Mid-Depth 17°-18°C
Condition of al	l screening apparatus: (700d
Are there incid	dents involving endangered or protected species? Yes No
Comments (typ	e of material being dredged, biological specimens, etc.):
Dredge.	Continues working on red and green towlines
Dredge	material is silt with some clay Biological
	s include: Dive crabs, egg casings, cutlass fish,
assorte	The surpling surribles right
	antity consisting of wood, plastic, Clothing,
Tope, 11	et, line, crappots and other assorted trash
Egupin	ent and screening in good working order.
There is	vers or invidents involving and account of the
	sere no incidents involving endangered species
	Bridge Watch Summary
Species	# of Sightings # of Animals Comments
Observer(s) On	Duty: Charlotte Cates, Britt Johnson
	70,400,000

Dredge Mermentau / Sabine-Naches Waterway USACE, Galveston District

### DAILY REPORT

121 AFR 1997

Date: 04 /14	197 Loads: 755 to
Area(s) Worked:	tation 5+000 - 10+000
Weather Conditions:	Cloudy to partly cloudy, winns N'ly, E'ly 8-20 Kts, Seas 1-4 Feet
Range of H <sub>2</sub> O Tempe	erature: Surface 17.5 - 18° C Below Mid-Depth 17° - 17.5° C
	ening apparatus: (7000)
Are there incidents	involving endangered or protected species? Yes No
Comments (type of n	naterial being dredged, biological specimens, etc.):
Dredge Cor	Trinues working on red and green tow lines. Dredge
<u>Material</u> is	Si t with some Clay. Gai bage samples light
in avantitu	Consisting of word. Diastic clothing cone
net, line C	rappots and other assorted trash. Biological
Samples inc	'lude: Dive crabs, egg casings, Cutlass fish,
assocked fis	sh parts, shells. Equipment and screening in
good work	
J	
There were	no incidents involving endangered species.
	Bridge Watch Summary
Species	# of Sightings # of Animals Comments
NONE	" of bightings " of Minimals Comments
Observer(s) On Duty	: Charlotte Cates, Brett Johnson

Dredge Mermentau / Sabine-Naches Waterway USACE, Galveston District

DAILY REPORT

Date: 04 / 15 / 97 Loads: 792 to 808
Area(s) Worked: Station 5+000 to 10+000, 4+00to 0+00
Weather Conditions: Partly Cloudy, Elywinds 5-12 Kts. Seas 1-3 feet
Range of H <sub>2</sub> O Temperature: Surface 13.5°C Below Mid-Depth 16°-17°C
Condition of all screening apparatus:
Are there incidents involving endangered or protected species? Yes NoX  Comments (type of material being dredged, biological specimens, etc.):
Dredge worked on Station 5+000 to 10+000 until 0705 hours
and then moved to Station 4+00 to 0+00 to work on
red towline. Biological samples include blue crabs, egg
Casings, Cutlass fish, Shells, fish parts, Jelly fish and
Sea wieds. Garbage Samples light in quantity Consisting
Ot Wood, Diastic, Clothing, rope line crahnols and
Other assarka trash, Equipment and schening in
good working condition.
+10
There were no incidents involving endangered or protected
appecies.
Bridge Watch Summary
Species # of Sightings # of Animals Comments
Observer(s) On Duty: Charlotte Cates, Brett Johnson

Dredge Mermentau / Sabine-Naches Waterway USACE, Galveston District

DAILY REPORT

Date: <u>64/16/97</u> Loads: <u>869-830</u>
Area(s) Worked: Stations 4+00+0 (110, and 5+000-10+000
Weather Conditions: Partly Cloudy to Clear Skies, City raines to 5 10ks to light wind Seas
Range of H <sub>2</sub> O Temperature: Surface 19°C Below Mid-Depth 16°-18°C
Condition of all screening apparatus:
Are there incidents involving endangered or protected species? Yes No_ $\chi$
Comments (type of material being dredged, biological specimens, etc.):
Diedge worked on Station 4100 to 0100 and then moved
Dack to Station Stage to lotogo to work on red and
green tow lines Diedge Started digging with Starboard arm
only at 2120 hours. Charbage Samples light in quantity
Consisting of wood plastic, Clothing, rope, line, crappots
and other assorted trash Biological samples consist or
blue crabs, egg casings, Cullass fish, Shells, Seawerds
and fish parts. Equipment and screening in good working
There were no incidents involving endangered or protected
Species
Bridge Watch Summary
Species # of Sightings # of Animals Comments
Charles Que
Observer(s) On Duty: Charlotte Cates Brett Johnson

Dredge Mermentau / Sabine-Naches Waterway USACE, Galveston District

### DAILY REPORT

Date: <u>04 / 17 / 97</u> Loads: <u>832-847</u> Area(s) Worked: <u>51000-10+000</u>
Weather Conditions: Partly Cloudy, Light to try winds & 12 hts, Calm Seas
Range of H <sub>2</sub> O Temperature: Surface 17:5-18' C Below Mid-Depth 17:19' C
Condition of all screening apparatus: (5000)
Are there incidents involving endangered or protected species? Yes NoX
Comments (type of material being dredged, biological specimens, etc.):
Oredge Continued one arm digging in Station 5+000-1010000
until 1168 hours then departed for port for repairs Diedor
1850 MEC Charles II Station State (104000 114 2) (05) bours
County Dan ams. Garbage Simples light in quantity
Consisting of wood, plastic, clothing, rope, line, crab pots
and other associted lines. Encloques samples include
blue cyclis, Shell, egg casings, culiass lish, Seaweeds
and fish parts Egopment and schening in good
Working Chicer.
There were no unitable involving endangered species.
)
Bridge Watch Summary
Species # of Sightings # of Animals Comments
No Carit
Observer(s) On Duty: (1) alotto Cates, Post Johnson
Observer(s) on Duty. San text to the formation of the for

Dredge Mermentau / Sabine-Naches Waterway USACE, Galveston District

### DAILY REPORT

21 Arn 1397

Date: 04 / 18 /	97 Lo	ads: <u>848 - 1</u>	875
Area(s) Worked: 5	TATION 5+001	O TO 10+00	0
Weather Conditions:	PARTLY CLOU	DY; WINDS	VARIABLE 10-20 KNOTS; SEAC CALM TO 4"
Range of H <sub>2</sub> O Tempe	rature: Surface	18.5°C	Below Mid-Depth 198 C
Condition of all screen			
Are there incidents in	nvolving endan	gered or protec	cted species? Yes No
Comments (type of ma	aterial being dre	dged, biologica	l specimens, etc.):
THERE WER	E NO INCIDE	ENTS INVOLUI	NO ENDANGERED SPECIES NOR ANY SIGHTINGS
			GREN TOW AND QUARTER LINES. DREDUE
			OUICAL SPECIMENS INCLUDE CUTLASS FISH,
			ASSORTED FISH PARTS, GARBAGE SAMPLES
			CLOTHING. PLASTIC, WOOD AND OTHER MISCELLANEDU
_			DOD WORKING GROER
		<u> </u>	West of the second
W. M. C			
	***************************************	-	
	* + *		
		Bridge Wa	atch Summary
Species No SILHTINGS	# of Sightings	# of Animals	Comments
			·
Observer(s) On Duty:	BRETTUCH	NSWI) CHARI	LOTTE CATES

Dredge Mermentau / Sabine-Naches Waterway USACE, Galveston District

there incidents involving endangered or protected species? Yes No  noments (type of material being dredged, biological specimens, etc.):  Dredge Continues to work read and green town lines and quarks lines. Dredge material is silt with some clay Biological  perimens include: Dive crap, ("utlass fish egg. Cassings, equiveds and fish parts. Daubage samples maderate quantity consisting of wood plastic, net, line, appearant and "repring in and working associed trash. Equipment and "repring in and working andangered at protected peries.  Bridge Watch Summary  ecies # of Sightings # of Animals Comments	ale) Worked: Station 5+000-101000  wher Conditions: Cloudy, light winds to SE-5-20Kts, Seas 1-4 Red ge of H30 Temperature: Surface 18.5°C- Below Mid-Depth 18.5°-19°C  dition of all screening apparatus: Sand  there incidents involving endangered or protected species? Yes No V  ments (type of material being dredged, biological specimens, etc.):  Dredge Continues to work test and green town lines and quarker  lines. Dredge material is silt with some clay Biological  perimens include: Due crap, Cuttose Fish egg Cassings,  requireds and fish parts Garbarge Samples moderate  quantity andisting of wood plastic, net line, cape,  about and other associed trash. Equipment and  reening in and working ardeness.  Pere were no incidents involving endangered or protected  peries.  Bridge Watch Summary  ecies # of Sightings # of Animals Comments	. 64 / 19	/97 t	ade. 8710- Or	12		: ! 
wher Conditions: Cloudy, light winds to 35. 5.20kts. Geas 1-4 Red ge of H20 Temperature: Surface 18.5°C.  Below Mid-Depth 18.5°-19°C dition of all screening apparatus: Cand  there incidents involving endangered or protected species? Yes No_V  Interest (type of material being dredged, biological specimens, etc.):  Drection Continues to work (etc. and green tow lines and quarker lines. Drection material is silt with some clay Biological specimens include: Dive crap, cuttoss fish egg cassings, early eds and fish parts. Garbaige Samples moderate quantity consisting of wood plastic, net, line, cape, about and other associed trash. Equipment and reening in and working arder.  Bridge Watch Summary  ecies # of Sightings # of Animals Comments	wher Conditions: Cloudy, light winds to 35. 5.20kts. Geas 1-4 Red ge of H20 Temperature: Surface 18.5°C.  Below Mid-Depth 18.5°-19°C dition of all screening apparatus: Cand  there incidents involving endangered or protected species? Yes No_V  Interest (type of material being dredged, biological specimens, etc.):  Drection Continues to work (etc. and green tow lines and quarker lines. Drection material is silt with some clay Biological specimens include: Dive crap, cuttoss fish egg cassings, early eds and fish parts. Garbaige Samples moderate quantity consisting of wood plastic, net, line, cape, about and other associed trash. Equipment and reening in and working arder.  Bridge Watch Summary  ecies # of Sightings # of Animals Comments						
ge of H <sub>2</sub> O Temperature: Surface 18.5°C. Below Mid-Depth 18.5°-19°C dition of all screening apparatus: James dition of all screening directed species? Yes No_V ments (type of material being dredged, biological specimens, etc.):  Drection Continues to work (etc.) and green town larges and quarter lines. Drection of material is sit with some clay. Brological specimens include: Drection of word pastes fish egg Cassings, equiveds and fish parts discounted from the properties and other associated trash. Equipment and reening in and working and produced or protected species.  Bridge Watch Summary ecies # of Sightings # of Animals Comments	ge of H <sub>2</sub> O Temperature: Surface 18.5°C. Below Mid-Depth 18.5°-19°C dition of all screening apparatus: James dition of all screening directed species? Yes No_V ments (type of material being dredged, biological specimens, etc.):  Drection Continues to work (etc.) and green town larges and quarter lines. Drection of material is sit with some clay. Brological specimens include: Drection of word pastes fish egg Cassings, equiveds and fish parts discounted from the properties and other associated trash. Equipment and reening in and working and produced or protected species.  Bridge Watch Summary ecies # of Sightings # of Animals Comments					· DUKIE	1-4 Can
there incidents involving endangered or protected species? Yes NoV_  Innents (type of material being dredged, biological specimens, etc.):  Dredge Coolingues to work reck and green town lines and quarker  lines Dredge material is silt with some clay Biological  perimens include: Dive crap, ("utlass fish eac Cassings, equiveds and fish parts bubying samples moderate  quantify consisting of wood plastic, net line, rape, applies and other associed trash. Equipment and  reening in and working order.  Dere were no incidents involving endangered or protected  peries.  Bridge Watch Summary  ecies # of Sightings # of Animals Comments	there incidents involving endangered or protected species? Yes NoV_  Innents (type of material being dredged, biological specimens, etc.):  Dredge Coolingues to work reck and green town lines and quarker  lines Dredge material is silt with some clay Biological  perimens include: Dive crap, ("utlass fish eac Cassings, equiveds and fish parts bubying samples moderate  quantify consisting of wood plastic, net line, rape, applies and other associed trash. Equipment and  reening in and working order.  Dere were no incidents involving endangered or protected  peries.  Bridge Watch Summary  ecies # of Sightings # of Animals Comments		Di Contrata Confee	1850	T	Relow Mid-The	hote 18.5°-19°C
there incidents involving endangered or protected species? Yes NoV_  Innents (type of material being dredged, biological specimens, etc.):  Dredge Coolingues to work rec? and green town lines and quarker  lines Dredge material is silt with some clay Biological  perimens include: Drue crap, ("utlass fish egg Cassings, equiveds and fish parts bubying samples moderate  quantity consisting of wood plasts, net line, rape, appals and other assorted trash. Equipment and  reening in and working order.  Derives,  Bridge Watch Summary  ecies # of Sightings # of Animals Comments	there incidents involving endangered or protected species? Yes NoV_  Innents (type of material being dredged, biological specimens, etc.):  Dredge Coolingues to work rec? and green town lines and quarker  lines Dredge material is silt with some clay Biological  perimens include: Drue crap, ("utlass fish egg Cassings, equiveds and fish parts bubying samples moderate  quantity consisting of wood plasts, net line, rape, appals and other assorted trash. Equipment and  reening in and working order.  Derives,  Bridge Watch Summary  ecies # of Sightings # of Animals Comments			/ l			
nments (type of material being dredged, biological specimens, etc.):  Dredge Coolinues to work red and green tow lunes and quarker lines. Dredge material is silt with some clay Biological operimens include: blue crap, cuttass fish egg Cassings, earweds and fish parts Garbage Samples moderate quantity analisting of wood plasts, net, line, rape, rappals and other associed trash. Equipment and reening in good working order.  Decrees.  Bridge Watch Summary ecies # of Sightings # of Animals Comments	nments (type of material being dredged, biological specimens, etc.):  Dredge Coolinues to work red and green tow lunes and quarker lines. Dredge material is silt with some clay Biological operimens include: blue crap, cuttass fish egg Cassings, earweds and fish parts Garbage Samples moderate quantity analisting of wood plasts, net, line, rape, rappals and other associed trash. Equipment and reening in good working order.  Decrees.  Bridge Watch Summary ecies # of Sightings # of Animals Comments	Mition of all sci	cening apparatus:	Cimo			
nments (type of material being dredged, biological specimens, etc.):  Dredge Coolinues to work red and green tow lines and quarker lines. Dredge material is silt with some clay Biological operimens include: blue crap, cuttass fish egg Cassings, earweds and fish parts. Grubage samples moderate quantity consisting of wood plasts, net, line, cape, rappals and other associed trash. Equipment and reening in good working order.  Decrees.  Bridge Watch Summary ecies # of Sightings # of Animals Comments	nments (type of material being dredged, biological specimens, etc.):  Dredge Coolinues to work red and green tow lines and quarker lines. Dredge material is silt with some clay Biological operimens include: blue crap, cuttass fish egg Cassings, earweds and fish parts. Grubage samples moderate quantity consisting of wood plasts, net, line, cape, rappals and other associed trash. Equipment and reening in good working order.  Decrees.  Bridge Watch Summary ecies # of Sightings # of Animals Comments						
perimens include: blue crap, ("utlass fish ego Cassings, earneds and fish parts Garbage Samples moderate quantity consisting of wood plastic, net, line, cape, rappals and other associed trash. Equipment and creening in and working order.  here were no incidents involving endangered or protected periods.  Periods.  Bridge Watch Summary  Decies # of Sightings # of Animals Comments	Dredge Continues to work read and green too lines and quarker lines. Dredge Material is silt with some clay Biological specimens include: blue crap, cuttoss fish egg Cassings, reduceds and fish parts. Grubage Samples moderate awantity consisting of wood plastic, net, line, cape, rapparts and other assorted trash. Equipment and creening in good working order.  here were no incidents involving endangered or protected. peries.  Bridge Watch Summary  ecies # of Sightings # of Animals Comments	e there inciden	s involving endar	gered or protec	ted species?	Yes	No_V_
lines Dredge Material is silt with some clay Biological perimens include: blue cran, l'utilose fish egg Cassings, rauxeds and fish parts Garbage Samples moderate quantity consisting of wood plastic, net, line, cape, rappals and other assorted trash. Equipment and creening in good working order.  here were no incidents involving endangered or protected peries.  Bridge Watch Summary pecies # of Sightings # of Animals Comments	lines Dredge Material is silt with some clay Biological perimens include: blue cran, l'utilose fish egg Cassings, rauxeds and fish parts Garbage Samples moderate quantity consisting of wood plastic, net, line, cape, rappals and other assorted trash. Equipment and creening in good working order.  here were no incidents involving endangered or protected peries.  Bridge Watch Summary pecies # of Sightings # of Animals Comments	mments (type of	' material being dr	edged, biological	specimens, e	rc.):	
lines Dredge Material is silt with some clay Biological sperimens include: blue cran, l'utiass fish egg Cassings, rejuceds and fish parts Garbage Samples moderate quantity consisting of wood plastic, net, line, cape, rappals and other associted trash. Equipment and creening in good working order.  here were no incidents involving endangered or protected peries.  Bridge Watch Summary pecies # of Sightings # of Animals Comments	lines Dredge Material is silt with some clay Biological sperimens include: blue cran, l'utiass fish egg Cassings, rejuceds and fish parts Garbage Samples moderate quantity consisting of wood plastic, net, line, cape, rappals and other associted trash. Equipment and creening in good working order.  here were no incidents involving endangered or protected peries.  Bridge Watch Summary pecies # of Sightings # of Animals Comments	Dredge	coolinues to	coolk red	and gree	n tous lir	es and quarter
perimens include: blue crap, cuttass fish egg cassings, earneds and fish parts Garbage Samples moderate quantity consisting of wood plasts, net, line, cape, rappals and other associed trash. Equipment and creening in and working order.  here were no incidents involving endangered or protected periods.  Periods.  Bridge Watch Summary  pecies # of Sightings # of Animals Comments	perimens include: blue crap, cuttass fish egg cassings, earneds and fish parts Garbage Samples moderate quantity consisting of wood plasts, net, line, cape, rappals and other associed trash. Equipment and creening in and working order.  here were no incidents involving endangered or protected periods.  Periods.  Bridge Watch Summary  pecies # of Sightings # of Animals Comments	lines Dr	edge mate	ial is silt	with S	ome clay	Biological
earneeds and fish parts (Surbage Samples moderate quantity consisting of wood plastic, net, line, aperatopals and other associted trash. Equipment and creening in good working order.  here were no incidents involving endangered or protected peries.  Bridge Watch Summary ecies # of Sightings # of Animals Comments	earneeds and fish parts (Surbage Samples moderate quantity consisting of wood plastic, net, line, aperatopals and other associted trash. Equipment and creening in good working order.  here were no incidents involving endangered or protected peries.  Bridge Watch Summary ecies # of Sightings # of Animals Comments						
quantity consisting of wood plastic, net, line, cape, rappals and other associted trash. Equipment and creening in good working order.  here were no incidents involving endangered or protected peries.  Bridge Watch Summary  ecies # of Sightings # of Animals Comments	quantity consisting of wood plastic, net, line, cape, rappals and other associted trash. Equipment and creening in good working order.  here were no incidents involving endangered or protected peries.  Bridge Watch Summary  ecies # of Sightings # of Animals Comments	PALLICAS (	and fish r	parts Gar	Dane So	amples	moderale
rab pals and other associted trash. Equipment and creening in good working order.  here were no incidents involving endangered or protected peries.  Bridge Watch Summary ecies # of Sightings # of Animals Comments	rab pals and other associted trash. Equipment and creening in good working order.  here were no incidents involving endangered or protected peries.  Bridge Watch Summary ecies # of Sightings # of Animals Comments	aunntik	1 Anomistic	is of wo	ed Dias	stic. ne	t line rope
here were no incidents involving endangered or protected  peries.  Bridge Watch Summary  pecies # of Sightings # of Animals Comments	here were no incidents involving endangered or protected  peries.  Bridge Watch Summary  pecies # of Sightings # of Animals Comments	CON ONIC	and Alba	assaulad	1.voch	Foulton	ent and
here were no incidents involving endangered or protected  peries.  Bridge Watch Summary  pecies # of Sightings # of Animals Comments	here were no incidents involving endangered or protected  peries.  Bridge Watch Summary  pecies # of Sightings # of Animals Comments		in condition	Acking acc	701	1)	:
Bridge Watch Summary pecies # of Sightings # of Animals Comments	Bridge Watch Summary pecies # of Sightings # of Animals Comments	TERE HOG	ns down or	CIEITIS CILC	451/	······································	**************************************
Bridge Watch Summary  pecies # of Sightings # of Animals Comments	Bridge Watch Summary pecies # of Sightings # of Animals Comments			1- 10 1-1	~	s a mora d	in Ocalestack
Bridge Watch Summary pecies # of Sightings # of Animals Comments	Bridge Watch Summary pecies # of Sightings # of Animals Comments	inere were	Do locider	HZ MODOLAT	ng snac	अभिन्दार्ग	CI PLOISE TO
pecies # of Sightings # of Animals Comments	pecies # of Sightings # of Animals Comments	JORCIES.					
pecies # of Sightings # of Animals Comments	pecies # of Sightings # of Animals Comments				····		
pecies # of Sightings # of Animals Comments	pecies # of Sightings # of Animals Comments				<del>, , , , , , , , , , , , , , , , , , , </del>		
pecies # of Sightings # of Animals Comments	pecies # of Sightings # of Animals Comments				···		
pecies # of Sightings # of Animals Comments	pecies # of Sightings # of Animals Comments						
pecies # of Sightings # of Animals Comments	pecies # of Sightings # of Animals Comments	·		· · · · · · · · · · · · · · · · · · ·	M		
pecies # of Sightings # of Animals Comments	pecies # of Sightings # of Animals Comments						
pecies # of Sightings # of Animals Comments	pecies # of Sightings # of Animals Comments			•			į
	pecies # of Sightings # of Animals Comments			Bridge Wa	tch Summary		 
		inecies	# of Sighting	_	·	-	
		*	# Or Digitions	, n er istillitatio			
		1 NAME					
	!						
		!		-			

Dredge Mermentau / Sabine-Naches Waterway USACE, Galveston District

2 1 APR 1997

#### **WEEKLY SUMMARY**

Dates: <u>04/13/47</u> -	04/19/97	Loads: 717 - 9	12
Range of H <sub>2</sub> O Temperature:	Surface ( -17°C	Below Mid-De	pth_1(a^-19°C
Area(s) Worked:	-16+660 and	1160 100100	
Are there incidents involving	endangered or protected	species? Yes	No_X
Comments: Dredge wa	bed on Station 51	000 to 101000 unt	11 4.15 at 0.705
hours and then m	aved to Station	Arcoto CICO to	work on red
Low line bridge r			
tollasing day to co	" MS Chiedose Star	Led discussion	Starboard
an only and the	oxided for mit to	1 Concurs 4-17	2+ MOEDANS
Dredge resumed o	liciciona un Statia	21 5+000 to 10+0	900 at 2005
hours the same	day and rema	ined at Same S	tation for the
18 mainder ex the a	seek Cligaina u	oth both arms	on red and
green tow and qu	curter lines Die	cace material	s silt with
Some Clay Froll	arca Eximples G	cotinue to be 1	ight Consisting
A blue crabe, Cu	Hass fish egg (	mesings, tish f	Dails, Seaweeds,
Shell Jellylish.	Jullage samp	les light in qua	14.44 CUSISTANCY
Of Local plastic	estorist Formore	ment and scre	Garring, and
good working or	der.		CITITICS III
J			
There were no in	cidents involving	ormangered c	or Dichected
Spacies.	,	J	
	Deidoo Wasak	C	
Species # of Sightings	Bridge Watch # of Animals Commen	· •	
esightings			
Observers On Duty: Charle	Ha Cala Dan	To be occurred	
Observers On Duty: Carried (C)	III LEVIL A TOPELL	<u>(364.01504)</u>	

## USACE, Galveston District

### DAILY REPORT

Date: 04/30/97 Loads: 913 - 946
Area(s) Worked: Station 5+000 to 10+000
Weather Conditions: partly cloudy to Cloudy, wind light to St. SW 1-10 Knots  Beaco of H.O. Tomorrow, Surface 18 50 2000
Range of H <sub>2</sub> O Temperature: Surface 18.5° - 20.0 Below Mid-Depth 18.5° - 20.0
Condition of all screening apparatus:
Are there incidents involving endangered or protected species? Yes No
Are there incidents involving endangered or protected species? YesNo
Comments (type of material being dredged, biological specimens, etc.): Dredge Confinues
to work red and green toward quarke lines. Diedge material
is sill with some Clay Biological Samples include, Dive crab,
Cutlass fish, egg cassings, seaweeds and fish parts.
Garbage Samples include uxed, plastic, net, line, rope,
Crappals and other assorted trash and are light in
Quantity. Equipment and screening in good working order
<i>t</i>
There were no incidents involving endangered or protected
Species
Bridge Watch Summary
Species # of Sightings # of Animals Comments
NO Significas
MAR' CARP CARP CARP CARP CARP CARP CARP CARP
Observer(s) On Duty: Charlotte Cates, Biett Johnson

## Dredge Mermentau / Sabine-Naches Waterway USACE, Galveston District

Date: (4/21/97 Lo		
Area(s) Worked:	1000 + 10+000 and	5,000 104+0(Y)
Weather Conditions:   Zartly Cloud	ty winds S.Wizeka	ots Seas 1-3 feet
Range of H <sub>2</sub> O Temperature: Surface	Below	Mid-Depth 200
Condition of all screening apparatus:	e v	
Are there incidents involving endan	grand on protected area is 9	
rate there meidenes myorving endang	gered or protected species? Ye	No_X
Comments (type of material being dre	dged, biological specimens, etc.):_	
Dredge Continued to	sork ind and organ to	and and quarke lines
in Station Station	10/6/600 UNL 144	a cood Alver moved
10 . Hation 41 (10)	to of CCC exclusions	1 to a sout
red and green town	inte Dredge materia	d is sill with some
Clay Dictogram Sp	recipiens light in Qu	raplity; Dive crabs
Cuttase tish, egg C	asings, sea weeds a	and fish parts
LIGHTXICIE SCIDIDIES IN	roderate Consisting	a word Dlastic
line, nel, rape, Crapp	ds, and other asso	aled Garbage
line, net, rope, Crabp. Equipment and Sore	ening in Good work	and cide
There were no marc	lents involving endo	ingered or threatened
Species		
	Bridge Watch Summary	
Species # of Sightings	# of Animals Comments	á 😽
NONE		
MAK		
Observer(s) On Duty: Charlotte	Caks, Bielt Johnson	na.

Dredge Mermentau / Sabine-Naches Waterway USACE, Galveston District

### DAILY REPORT

Date: $04/23/97$ Loads: $978-998$
Area(s) Worked: Stations 5+000+6-41000, 4+000+0-101000
Weather Conditions: Loudy, winds SW Shifted to Nily 15-20x15 Seas 2-4 Red
Range of H <sub>2</sub> O Temperature: Surface $\frac{\sqrt{10^{\circ} - 21}}{5^{\circ}}$ Below Mid-Depth $\frac{15^{\circ} - 21^{\circ}}{5^{\circ}}$
Condition of all screening apparatus:
Are there incidents involving endangered or protected species? Yes
Dredge worked red and green tow lines in Station 51000 to 41000 and 1181 hours and then extended and between 1000 to 41000 and 1181 hours and then extended and to station 101000. Dredge material is silt with some alay. Biological specimens light; blue arabs at these fish, egg asings, seatweeds and fish parts. Garbage samples heavy including; wood, plastic line, not, trash, arabpots, pipes and other assarted trash. I quipment and screening in good working aider.
Bridge Watch Summary  Species # of Sightings # of Animals Comments
NONE
Observer(s) On Duty: Charlotte Cates, Brett Johnson

# Dredge Mermentau / Sabine-Naches Waterway USACE, Galveston District

Date: 04 / 22 /97 Loads: 999-1028	
Area(s) Worked: Station 4+000-10+000	
Weather Conditions: Partly Cloudy to cloudy to	My Ny winds 10-20Kts, Seas 14 Fe
Range of H <sub>2</sub> O Temperature: Surface 195 - 200	Below Mid-Depth 18°- 20°C
Condition of all screening apparatus:	
Are there incidents involving endangered or protected sp	ecies? YesNo_X
Comments (type of material being dredged, biological specin work in Station 4+000-16+000 is lines. Dredge material is silt with Specimens light including Disc Cro Scarreds, Shell and fish parts. including: 1000d, Plastic, line, n	sorking red god green town
including: 1000d, Dlastic, line, n	et rope and crappots.
Equipment and screening in Goo	d werking order
There were no incidents involving	na endourgered or protected
Species.	, , , , , , , , , , , , , , , , , , , ,
•	1
	· · · · · · · · · · · · · · · · · · ·
	!
Bridge Watch Su	mmary
	ments
Species # of Sightings # of Animals Com	ments
444	
Observer(s) On Duty: Charlete Cales, Ball	1 (chasar)

#### ENDANGERU SPECIES UDSERVER PRUGRAM

Dredge Mermentau / Sabine-Naches Waterway USACE, Galveston District

Date: 04/24/97 Loads: 1029-1048	
Area(s) Worked: STATIONS 4+000 TO 10+000	
Weather Conditions: CLOUDY SHOWERS; WINDS VARIABLE 10-2	2 KTS; SEAS CALM INCREASING TO T
Range of H <sub>2</sub> O Temperature: Surface 20° C Below	Mid-Depth 19-20°C
Condition of all screening apparatus: GOOD.	
	No
Comments (type of material being dredged, biological specimens, etc.):	
DREDGE CONTINUES WORK IN STATION 41000 TO	101000 WORKING UREEN
AND RED TOW LINES. DIGGING MATERIAL IS SILT WIT	H SOME CLAY BIOLOGICAL
SPECIMENS LIGHT IN WANTING CONSISTING OF BLUE CO	ZABS, CUTLAKS FISH, EUG
CASIMUS, SEAWEEDS, SHELL, AND FISH PARTS, GARBA	
ROPE, NET, LINE, WOOD, PLASTIC, AND ASSORTED TR	
SIGHTINGS OF ENDANGERED OR PROTECTED SPECIES	
DREDGE CENSED OPERATIONS AT 1614 HOURS DUE	TO BUILDING SEAS, HICHWING
AND THUNDERSTORMS. OFFERVERS ON SHOPE AWAITING	ME RESUME UF DREIXING
EPERATIONS, SITIP TO ANCHOR.	
i	
•	
Bridge Watch Summary	4 4 2
	OMENOSE DOLPHIN
	BOW RIDING OUTBOUND SHIPS
ALL STATES	
	· · · · · · · · · · · · · · · · · · ·
Observer(s) On Duty: BRETT JOHNSON CHARLOTTE CATES	

Dredge Mermentau / Sabine-Naches Waterway
USACE, Galveston District

#### **WEEKLY SUMMARY**

Dates: 04 / 20 / 97 - 04 / 26 / 97 Loads: 913 - 1048
Range of H <sub>2</sub> O Temperature: Surface 18.5° - 21.5° C Below Mid-Depth 18-21° C
Area(s) Worked: STATIONS 4+000 TO 10+000
Are there incidents involving endangered or protected species? Yes
Comments:
DRETWE CONTINUED WORK IN STATIONS 41000 TO 101000 WORKING RED.
GREEN, AND QUARTER TOW LINES. DREDGING OPERATIONS CEASED AT 1616 HOURS
ON OH 24 DUE TO BAD WEATHER AND HIGH SEAS AND REMAINED THROUGH OY 126.
DREDGE MATERIAL IS SILT WITH SOME CLAY. BIOLOGICAL SPECIMENS
CONSIST OF BLUE CRAIBS, CUILASS FISH, EGO CASINGS, SEAWEEDS, SHEIL, AND
ASSORBED FISH PARTS. CARBAGE SAMPLES INCLUDE WOOD, PLASTIC, ROPE, NET,
LINE, AND ASSORTED TRASH. EQUIPMENT AND SCREENING INTACT, FULLY FUNCTIONA
AND IN 600D WORKING ORDER.
THERE WERE NO INCIDENTS NUR ANY SIGHTINGS OF ENDANGERED
OF PROTECTED SPECIES.
Bridge Watch Summary
Species # of Sightings # of Animals Comments
T+ 2 4 BOTTLENOSE DULPHIN IN CHANNEL
<u> </u>
Observers On Duty: BRETT JOHNSON CHARLOTTE CATES

Dredge Mermentau / Sabine-Naches Waterway
USACE, Galveston District

Date: 04/25	<u>,97</u> Lo	ads: NO LOADS
Area(s) Worked:		
Weather Conditions:_	THUNDERSTOR	MS; WINDS E-1Y TO GOKNOTS; SEAS 6-8-
Range of H <sub>2</sub> O Tempe	erature: Surface	Below Mid-Depth
		FINE
Are there incidents i	nvolving endan	gered or protected species? Yes No
Comments (type of m	aterial being dre	edged, biological specimens, etc.):
DRE	EDIOE AT A	INCHOR DUE TO WEATHER.
	DOL KI	METION DUE TO WETIMEN.
<del></del>		
		Bridge Watch Summary
Species No Subhtinos	# of Sightings	# of Animals Comments
Observan(s) O= D	. Borns	HMSON CHARLOTTE CATES
Ousciver(s) On Duty	. Sheri Ou	THOUSE STITE OFFICE

Dredge Mermentau / Sabine-Naches Waterway USACE, Galveston District

Date: 04 / 7	20/97 Loads: NO LOADS
Area(s) Worked:	
	ONS: THUNDERSTORMS; WINDS E-14 TO 50 KNOTS; SEAS 6-8
	emperature: Surface Below Mid-Depth
Condition of all s	screening apparatus: FIHE
Are there incide	ents involving endangered or protected species? Yes No
Comments (type	of material being dredged, biological specimens, etc.):
DRE	DUE AT AH(HOR DUE TO WEATHER
	,
·	
	Bridge Watch Summary
Species	# of Sightings # of Animals Comments
<b>O</b> I () O <b>D</b>	Dury: BRETT WHAIS ON / CHARLOTTE CATES
Observer(s) On D	July: Dreit CAMP CATE

Dredge Mermentau / Sabine-Naches Waterway
USACE, Galveston District

Date: 04 127 197 · Loads	0501 -PPOL:	
Area(s) Worked: Station 4+00	00-101000	
Weather Conditions: Partly Clau	dy, Nily winds 15.20	Knots, Seas 2-3 feet
Range of H <sub>2</sub> O Temperature: Surface	18.5°C Below N	Aid-Depth 19°C
Condition of all screening apparatus:	nood	
Are there incidents involving endange	red or protected species? Yes_	No_X
Comments (type of material being dredge of the control of the cont	sork in Station 410	with some clay
Biological Specimens Cutlass Fish egg casis	hight in quantity ungs, seaweeds and	shell Garbage
other assorted trash. Working Order.	Equipment and	Screening in good
There were no included protected species.	dents involving er	ndangered or
	.  Bridge Watch Summary	
	# of Animals Comments	
Tursiapstruccatus		
Observer(s) On Duty: Charlotte	Cates, Brett Johnson	) <sub>5</sub>

Dredge Mermentau / Sabine-Naches Waterway
USACE, Galveston District

02 MAY 1997

rea(s) Worked:	Alteración 11.	1 1 1/1	
eather Conditions: Rathy	Moudy to clear	Below Mid-Depth 17: 18:	12 KISto
inge of H <sub>2</sub> O Temperature: S	urface 170-175	Below Mid-Depth 17: 17:	t tercolons
ondition of all screening appar	ratus: Local		
re there incidents involving o	endangered or protec	cted species? Yes NoX	
omments (type of material bei			
Dredge Continues	- working in-	Station 4+000-10+000	
Diedge maderial	15 5H WHI	Some Clay, Biologicals	pecimens
ve light Consisting	z CH Dlue Cr	cabs, fish parts, Cultass	
ish, Shell, and	egg ('assing:	s darbage Samples Co.	Bisting
1 wood Plastic	Clothing,	reintime, rope and allo	
issorted trach I	Equipment (	and Screening in good w	ciking
order.	7		
there were no in Drotected Species	ocidento inv	ralving endangered or	
nacies # of Sic	Bridge Wantings # of Animals	atch Summary Comments	
pecies # of Sig		Exallence delphin	
•			

Dredge Mermentau / Sabine-Naches Waterway USACE, Galveston District

Date: 04 / 29	197 Loads: 1104 - 1125
Area(s) Worked:	STATIONS 5+000 TO 10+000
Weather Condition	S: MUSTLY CLEAR; WINDS S-14 5-10 KNOTS; SEAS CALM - 2-
Range of H <sub>2</sub> O Tem	perature: Surface 21° Below Mid-Depth 21°
Condition of all sci	reening apparatus: Good
	s involving endangered or protected species? Yes No
Comments (type of	material being dredged, biological specimens, etc.):
IS SILT WITH FISH, DENYPISH AND SHENI. 6 AND ASSORTED DREDUE	CONTINUES WORK IN STATION 51000 TO 104000, DIGGING MATERIAL  SOME CLAY. BIOLOGICAL SPECIMENS INCLUDE BLUE CRABS, CUTLASS  STINGRAY PARTS, SEAWEEDS, EGG CASINGS, AND ASSORTED FISH PARTS,  ARCAGOE SAMPLES INCLUDE PLASTIC, WOOD, CLOTHING, NET, LINE, ROPE,  TRASH. EQUIPMENT AND SCREENING IN GOOD WORKING ORDER.  CEASED OPERATIONS AT ZONYHRS TO LEAVE FOR SHIPY, ARD TENAS CON  WERE NO TRUCIDENTS INVOLVENIO ENDANDORRO SOLCIES HOR  ANY SIGNATIONS
Species  T+  Observer(s) On Du	Bridge Watch Summary  # of Sightings # of Animals Comments  4 12 BOTTLENOSE DOLPHIN IN WORK AREA  Ty: BRETT JOHNSON CHARLETTE CATES

Dredge Mermentau / Sabine-Naches Waterway USACE, Galveston District



### **WEEKLY SUMMARY**

lates: DH / 7	27 / 97 -	04/29/97	L	oads: 1049 - 112	25
tange of H <sub>2</sub> O T	Temperature:	Surface 17°	-21°C	_ Below Mid-Dep	oth 17°- 21°C
rea(s) Worked	: STATIONS	4+000 TO 1	01000		
		ndangered or pi		es? Yes	No
Comments:	PENE AT AND	the 04/27	UNTIL 0807	HRS DUE TO AT	WERSE WEATHER.
DOEDING Q	ESUMED AT	0807. DREDU	E CONTINUET	WORK IN STA	4770NS 41000 TU
101000 WIC	SKING RET . (	PREN TOW LIN	IES AND QUA	RTER LINES. DE	DUE MATERIAL 13
SUT WATE	SIME CLAY	BIOLOUCAL SI	PECIMENS LI	PHT IN QUANTI	Y CONSISTING OF
BUE CRAPK	CUTLASS FIS	SH, JEHY FISH	, RAY PARTS	, SEAWEEDS, EGG	(ASINGS, SHELL, AND
ASSORTED !	FISH PARTS (	SARBAGE SAMP	LES INCLUD	- CLOTHING, WO	OD, PLASTIC, RODE,
NOT LINE	AND AKKNOT	EN TRACH.			
DREDO	E CERSED O	PERATIONS AT	2044HRS 7	O LEAVE FOR ST	+IPARD TEXAS CITY.
FRIDMEN	T AND SCREE	ENING INTACT	, FULLY FUN	M CHA, JAKOT)	1, COOD MOSKING OLDER
THERE	E NERE NO	INCIDENTIS IN	ludruing E	hdanuered Sp	ECIES NOR ANY SIGHTIN
			lge Watch Sun	mary	
Species T+	# of Sightings	# of Animals	Comments Bother	& DOLPHIN IN	WORK AREA
			-		
		•			
			ARLONE CATE		

Dredge *MERMENTAU* - Sabine Pass, TX USACE, Galveston District

Date: <u>22 / 05 / 1997</u> Los		
Area(s) Worked: 29°37'N 93	landara and	have down
Weather Conditions: 1) Ver(ast w/ S)	nowers and	heavy downpours
Range of H <sub>2</sub> O Temperature: Surface		-
Condition of all screening apparatus:_		
Are there incidents involving endanged and the Comments (type of material being dre	-	
Observers on duty alth	rough NO 10	pads were credited to this day. Due to
renairs to directains ap	pavatus d	redaina resumed at 2338. Load was
dumped after midwight	and therefor	redging resumed at 2338. Load was
	· · · · · · · · · · · · · · · · · · ·	
	·····	
	· · · · · · · · · · · · · · · · · · ·	
	Bridge Wa	atch Summary
Species # of Sightings	# of Animals	Comments
	***************************************	
	<del></del>	
Observer(s) On Duty: CATHY S	Maris, Pa	TRICK II) CKANN

Dredge MERMENTAU - Sabine Pass, TX USACE, Galveston District

Date: <u>23 / 6</u>	
	d: 29°37′N 93°48′W
Weather Condi	tions: Overcast w/showers - SE +05W winds Stoloknots - Seas choppy 0-2'
	Γemperature: Surface 78°-80° F Below Mid-Depth 78°-80° F
Condition of al	screening apparatus: <u>Good</u>
Are there incid	lents involving endangered or protected species? Yes No_X
Comments (typ	e of material being dredged, biological specimens, etc.):
Dredged m	aterial is a five mud of suspended clay and silt.
Biological ribbed n	specimens collected on screens included: Sargassum weed, oyster shells, nussel shells, clam shells, seaweed.
Abiotic sp line, plas and reel	pecimens collected on screens included: rope, metal, cloth, fishing tic, wire, pipe, leather strap, rocks, wood, broom, steel-line rod, jeans, chipper harmmer, Net, glove
	ias conducted with Starboard Draghed only.
	Bridge Watch Summary
Species	# of Sightings # of Animals Comments
<u> T+</u>	and 34 - Mary were learning & riding bow
	and 34 - Mary were leaping & riding bow wakes of other ships. There were three
	mother/calf pairs.
Observer(s) Or	Duty: CATHY SAKAS PATRICK MCKANN

Dredge *MERMENTAU* - Sabine Pass, TX USACE, Galveston District

Date: 24/	22/1997 Loads: 148 - 168
	: 29°37'N 93°48'W
Weather Condit	ions: Heavy rain to partly survey: SSW to SEW inds 5-20 Knots; Sea chop
Range of H <sub>2</sub> O 7	emperature: Surface 18 to 19.5 1 Below Mid-Depth 76 - 19 1
Condition of all	screening apparatus: Good
Are there incid	ents involving endangered or protected species? Yes No
Comments (type	of material being dredged, biological specimens, etc.):
Dredged	material is a fine mud of clay and silt.
Biologica! shell egg co	specimens collected on screne included oyster shells, I mure, ribbed mussel shells, Sargassum need, I Stardrum (3"), whelk ses, catfish skull boves, 3 cutlass fish & 2 blue crabs.
Abiotic so Net vo Foam	muples collected on screens included aluminum, steel scraps, up fishing line, shark hosk (large), wire, wood, cloth, plastic rubber, rubber pieces, leather strap and a cement block
	being rebuilt. Is operating. The Port Drag diesel
	Bridge Watch Summary
Species	# of Sightings # of Animals Comments
<u></u>	12 35 All To were sighted in Channel. Behavior
	included approaching dredge bow, riding bows
	iumpina out of water
Observer(s) On	Duty: CATHY SAKAS, PATRICK MCKANN

Dredge MERMENTAU - Sabine Pass, TX USACE, Galveston District

Date: 25 / 05 / 1997 Loads: 169 - 188
Area(s) Worked: 29°37'N 93°4/8'W
Weather Conditions: Clear to mostly cloudy; Nto WSW winds 10 to 18 Knots; Seas choppy to rough
Range of H <sub>2</sub> O Temperature: Surface 79°F Below Mid-Depth 77°-79°F
Condition of all screening apparatus:
Are there incidents involving endangered or protected species? Yes No
Comments (type of material being dredged, biological specimens, etc.):
Delate to the contract of the
Dredged material is a fine mud of clay and silt.
Biological specimens collected on the screens included 8 blue crabs, I barracuda skull I saw tooth pershell, oystershells, Sargassum weed, scallop shell, I spider crab and plant material (unidentified).  Abiotic samples collected included plastic, wood, net, rope, cloth, line, trash bag, wire, crab trap, twine  Dredging is being accomplished with Starboard Drag only.
Dredging was temporarily halted after Load 181 for repairs at 1303 and resumed at 1813.
Bridge Watch Summary
Species # of Sightings # of Animals Comments
Tt 9 27 Most sintings occurred near Channel
Bungs 33 and 34 - Some were riding the  bow waves of other vessels. Two calves
were spotted in a pod of 8-12.
Observer(s) On Duty: Cathy Sakas, Patrick Mckann

Dredge *MERMENTAU* - Sabine Pass, TX USACE, Galveston District

### **WEEKLY SUMMARY**

Dates: 21 105	<u> 5 11997 - 25 1</u>	05 11997	Loads: 126 - 188
Range of H <sub>2</sub> O Te	emperature: Surf	face 78° to 80	Below Mid-Depth 76° to 80° F
Area(s) Worked:_	29°37'N	93°48'W	•
Are there inciden	nts involving endan	gered or prote	cted species? Yes No_X
Comments:			
Dredged n	naterial was	a mud c	of fine clay and silts.
Biological s	pecimens col	lected were	oyster shells, ribbed muscel shells.
1 Murex s	hell scallop	shell 1 s	awfooth penshell, whelk egg cases,
Star Civui	m (3") catfis	h skull, b	arracuda skull 10 blue crabs. I spider
plant ma		<u> Pargassum</u>	weed, clam shells and unidentified
Abiotic san	mples collect	fed includ	ood cloth plastic foam rubber,
fishing line	2, Sharkhoo	K, wire, w	ood cloth plastic foam rubber
rabber,	real chione	nent block	alove, trash bay, twine & crab trap.
700 400	Tect, empire	),	alove, mash bay, twine & crae viap.
Ever though	n one observe	r was on l	board 21 May and both observers were
aboard as	s 22 May of	Tredging olia	Not actually begin until 0000 23 May
Only the.	Starboard T	) raa was in	v operation this week.
		<u> </u>	operation fine week.
	Mark and a second		
		<b></b>	. ~
Species	# of Sightings	_	tch Summary Comments
T+	3/	72	Most sightings were near Channel Buoys
			33 and 34. Activity included riding
			how waves of other vessels, leaping and
			approaching the chedge.
Observers On Duty	y: CATHY S	SAKAS, P	ATRICK MCKANN
		,	

Dredge MERMENTAU - Sabine Pass, TX USACE, Galveston District

Date: $26 / 05 / 997$ Loads: $189 - 2/5$
Area(s) Worked: 29°37'N 93°4/8'W
Weather Conditions: Clear to Partly Cloucly - WSW to SSW winds ~ 6-16 Knots - Seas chappy at
Range of H <sub>2</sub> O Temperature: Surface 79°-182° F Below Mid-Depth 77° - 81° F
Condition of all screening apparatus: Good
Are there incidents involving endangered or protected species? Yes No
Comments (type of material being dredged, biological specimens, etc.):
Dredged material is a fine mud of silt and clay with small shells occasion
Biological samples collected on the screens included oystershells 9 blue crabs, whe IK eggisses, seaweed, I cutlass fish, thoughefish, coconnit husk, ark shell, Sargassition weed, I pink shrimp, I knowled whe IK, I horse conchit tongue fish = 2 longtail, I effshore, I unidentified * Sargassiin weed most about
whell eaguses seawerd I cutlass fish 4 tonguefish, coconut husk, ark shell
Sargass of weed, I pint shrimp, I Knowned whe lk, I horse couch
* Hongue fish = 2 longtail, 1 effshore, I unidentified * Sargasium weed most abun
Hobotic samples included placific, rope, rubber, wood, cement, aluminum
Abiotic samples included plactic, rope, rubber, wood, cement, aluminum mud, metal, net, cloth, wire, oil filter (2), duct tope, fishing line, copper pipe, flip flop, plactic bucket lid * plastic most abordant item
COPPER PICE, THE TIONS PRISTIC DUESET IN A PRINTER MOST ADMINITED TOTAL
Loads # 189 through # 209 were due with the Starboard Drag ON/.
Loads # 210 through #215 were duly with the Port and Sturbuard Drags.
Bridge Watch Summary
Species # of Sightings # of Animals Comments
T+ 7 13 Behavior included sumpling rolling, tail
Sapping splashing and riding bow waves
Observer(s) On Duty: CATHY SAKAS, PATRICK MCKANN
- · · /

Dredge MERMENTAU - Sabine Pass, TX USACE, Galveston District

Date: $05/27/97$ Loads: $2/6-253$
Area(s) Worked: 29°37'N 93°48'W
Weather Conditions: Clear & hazey to Overcast; SW to WSW winds 8 to 16 Knots; Sexs rough to
Range of H <sub>2</sub> O Temperature: Surface 79°-81°F Below Mid-Depth 77°-81°F Below Mid-Depth
Condition of all screening apparatus: Good
Are there incidents involving endangered or protected species? Yes No_X
Comments (type of material being dredged, biological specimens, etc.):
Dredgod material is a fine mud of clay and silt.
Biological samples collected on the screens included oyster shells, ark shells, Sangassum weed, 10 blue crabs; 3 eels, Seaweed, whelk egg cases, 5 jelly balls (Stomolophus meleagris), I cutlass fish & I star drum. The most abundant biological sample was Sangassum weed.
Abiotic items collected included plastic, wire rope, cloth mud, Net, wood cement fishing line metal, duct take glass, blanket, glove, parts, boot sock shoe rubber & a car part. The most abundant abiotic item collected was plastic.
Large clumps of Sargassum weed were observed covering the water's surface for most of the day.
Bridge Watch Summary
Species # of Sightings # of Animals Comments  TH 5 16 Near Channel Buoys, 34, 33 and 32. Behavior  included hunting, Splashing gapproaching  the diredge.
Observer(s) On Duty: CATHY SAKAS, PATRICIC MCKANN

Dredge Mermentau / Sabine-Naches Waterway USACE, Galveston District

Date: $5 / 28 / 7$ Loads: $25 / - 29 / 7$
Area(s) Worked: 29°37'N 93°48'11
Weather Conditions: Partly cloudy-NE winds ~18 knots - Sex choppy ~2-31
Range of H <sub>2</sub> O Temperature: Surface 79° - 84° F Below Mid-Depth 78° - 83° F
Condition of all screening apparatus: 6000
Are there incidents involving endangered or protected species? Yes NoX
Comments (type of material being dredged, biological specimens, etc.):
Dredged indicial is a mud of uniform consistency composed
predominantly of clay.
Profession of the collection o
Biological sangles collected included I jelly only, 8 blue crabs, scawcod, shrimp, 2 tonguefish, oyster shells, I star drum (3"), whelk egg cases,
*Sargasium weed, 3 Atlantic cutlass fish.
Abiotic samples collected included plastic, wire, rope, mud Floth,
wood, line, metal strip, goat winne, wa, bottle electrical cord, duct
shirt, cable, erab trap, cernent, rubber.
shirt, cable, crab trap, cerment, rubber.
Loads # 272 \$ 273 were du with Storicard Drag due to failure of Port Drag
Clumps of Sorgassum weeds floating on waters surface.
* Most abundant on screens.
Duidos Watah Cummanu
Species # of Sightings # of Animals Comments
T+ 7 28 Most significant around Channel Buoys
33 \$ 34. Behavior included appreding
dredge. One mother/cult pair was
signified.
Observer(s) On Duty: C, Sakas
Ousciver(s) On Duty. Or Sand

# Dredge Mermentau / Sabine-Naches Waterway USACE, Galveston District

Area(s) Worke	27/7/ ed: 29°37'/	$\frac{292}{4}$	- 330 1		
Weather Cond	itions: Clear to Ove	Yeart with in	NELC		
Range of H.O.	itions: Clear to Over Temperature: Surface	Maria E	IVE tO SWINAS &	-18 Knots - Seas c	alm to choppy
Condition of al	I comperature. Surfac	0 1	Below M	lid-Depth 78° to 8	20 F
Capatition of a	Il screening apparatus:	<u>19000</u>			
Are there incid	dents involving endar	gered or protecte	d species? Yes_	No_X	
`	e of material being dre				100 m
Dredgod n	naknial is a fiv	re mud of um	form consistan	cy comprised os	clay.
Biological	specimens col	lected on con	eens include	1*	
I towave fi	ish oystershe ell, 8 blue cva	1/s. whelk each	COCPS 1 min	desired assum	weed,
I pen sh	ell'8 blue cva	bs & Atlant	ic cuttoss Co	de dish	~ /2")
	<i></i>	, o minati	16 CATIONS 7/3	n and w jelly	balls
Abiotic	samples includer, zipper, live, wire,	ided cloth	* lactic and	and made	
oil file	r zipper live	twine da	complete mai	mud, wood,	vet.
live,	wire,	( ) JA	s, metal, me	ricag, cane, -	+ISMI'Ng
Three	water spouts	were conth	ed today	0/ 1020	
Clumps	of Sargassu	m weed flo	rating at s	ursace.	
* Most	abundant son	nles.		· · · · · · · · · · · · · · · · · · ·	
	7				
*		Bridge Watch	Summary		
Species	# of Sightings		omments		
T+	/a	<b>5</b> 11	in channel, as		ا است ا
			at water as	rivaring one	ege, Thrash
			waves	mace, main	g cont
			·	:	
Observer(s) On	Duty: <u>CATHY</u> .	SAKAS, Pr	TRICK MC	KANN	
Ma					

Dredge Mermentau / Sabine-Naches Waterway
USACE, Galveston District

Date:		ads: $331 - 3$	3.10	:	
	: 29°37'N 93		5+000 10+0	100 Section	8
Weather Conditi	ions: MOSTLY CEE	AR TO CLO	JUDY, W to S	winds 5-12 K	nots, 0-3 sea
	emperature: Surface			w Mid-Depth 78	
Condition of all	screening apparatus:_	G000			
Are there incide	ents involving endan	gered or protec	eted species?	/es No_	<u></u>
Comments (type	of material being dre	dged, biologica	l specimens, etc.):		
Dredged	material is m	ud and c	lay.		
Billionia	1	- 11 . 1			
SACHASSU	1 specimens m weed, 2 de	il cons 2	on screens	include ti	sh skull,
ega Cases	, oyster shell	s 2 ielly b	ulle mome s	not chall	bs, whelk
-39 1438	July Shell	s, e je my D	2113, 1400113	nail Shell, and	1 tish bones.
Abiotic s	amples inclu	de plasti	c clath con	a sa ta al L	
rope, soc	ks, zipper, co	uns. mesh	beas net	Cha Fina	wood, line,
rubber s	amples inclu ks, zipper, co trap, metal,	tractor time	re. Fram ru	bbec	ear, caore,
-	<del></del>				
	:				
•		<del></del>			
		,			
o :		•	tch Summary		,
Species T+	# of Sightings		Comments		
	16	63	most Seen 1	channel, app	reaching or
			Tollowing	he areage, or	riding a
			tanker's b	OW	
				:	
Observer(s) On	Duty: Patrick	McKann, C	indu Sakas	:	
	· · · · · · · · · · · · · · · · · · ·		<del>)</del>	1	

# Dredge Mermentau / Sabine-Naches Waterway USACE, Galveston District

		oads: 37/-	410	;		
362	d: 29037'N					
Weather Condi	tions: STORMY TO	PARTLY CL	EAR, S TO N	10-22 KNO	TS, CALM TZ	2 3 SEA
Range of H <sub>2</sub> O	Temperature: Surfac	ce 79-810			78-810	
Condition of al	l screening apparatus:	GOOD				
e ef						
Are there incid	dents involving enda	ngered or prote	cted species?	Yes_	No_	7 ) <b>3</b> '
	_			+ 11 + 12	-	er e
emments (type	e of material being dr	edged, biologica	al specimens, etc.	):		
MAIERIAL	DREDGED IS	FINE MUL	AND CLA	Ψ.		
BIOTIC	JATOLAL TOP	WED				
SHELLS 1	MATERIAL DRE	ADLASS.	LUGED: WI	HELK EGG	cases, oys	TER
4 CUTLACE	DEVIL RAY,	FARGASSUM	WEED, I	SUTTERFLY	EISH, I coo	-ONUT,
TICOLEASS.	FISH, I TONGU	e fish, an	ID ONE RLI	DE CRAB.		-
ARIATIC S	CAALDI EC WED		2			
WOOD EN	SAMPLES WER	E FIDHING	on LINE, CLC	TH, PLAST	ic, Rubbi	ER,
CABIC A	AM RUBBER, R	DPE, NETT	ING, BOTTLI	ES, CEMEN	T BLOCKS	<del>,                                     </del>
MILK CRA	MESH BAGS, O	IL FILIFRS	, CKAB TRA	IP, PLASTIC	CRATE, A	ND
MILK CKI	TIE.					
A COLD FI	RONT FROM T	HE NORTH	DUSUED .	TUPALICU	TODAU	<del></del>
		THE NORTH	PUSHED	ITKOUGH	TODKY.	
	•			1 A		
		Bridge W	atch Summary			
Species	# of Sightings	# of Animals	Comments			
Tr		<u>53</u>	SEEN IN C	HANNEL F	UNTING, J	UMPING
			OUT OF	WATER, AP	PROACHING	DREDGE
			OR FOL	OMING DI	REDGE	
***						
	· 04-0	.401.4.44.		_		
Observer(s) On	Duty: PAIKICK	MCKANN, C	ATHY SAKA	5		

Dredge MERMENTAU - Sabine Pass, TX USACE, Galveston District

2 JUN 1997

### **WEEKLY SUMMARY**

Dates: 5 /	<u> 25,97 - 5,</u>	31/97	Loads: 169 - 410
Range of H <sub>2</sub> O	Temperature: Surfa	ace 79-84°	Below Mid-Depth 77-84°F
	1: 29°37'N 9		
Area(s) Worker	1: <u>21 J N                                  </u>	J 10 W	
Are there incid	dents involving endan	gered or protec	eted species? Yes No
Comments:			
DREDGED	MATERIAL WA	S A MUD (	OF FINE CLAY AND SILT.
	-0 -10		
			NERE WHELK EGG CASES, OYSTER SHELLS
		•	1 BUTTERFLYFISH, 2 COCONUTS, 8 TONGUI
,	•		BS, 14 JELLY BALLS, FISH SKULLS, FISH
			L, SHRIMP, a STAR DRUMS, ARK SHELL
IKNUBBE	D WHELK, AND	I HORSE C	DNCH.
ABIOTIC N	ATTRIAL INICLU	DED PLAS	TIC, ROPE, RUBBER, WOOD, CEMENT,
•			OTH, WIRE, OIL FILTERS, DUCT TAPE,
FISHING	LINE COPPER	PIPE FLIP	FLOP, BUCKET LID, BLANKET, SHOE,
			TRACTOR TIRE, ZIPPER, GLASS,
	GEAR, AND FO		
THE DRE	DGE WAS IN C	ONTINUOUS	OPERATION ALL WEEK.
			4
			<del></del>
		Dridge We	tah Summanu
Species	# of Sightings	# of Animals	tch Summary Comments
Species T+	# of Signings 55	227	MOST SEEN IN CHANNEL APPROACHING
			DREDGE, ALSO JUMPING, HUNTING,
			BREACHING, AND BOW RIDING.
Observers On I	Duty: FATRICK N	CKANN AN	d Cathy Sakas

# Dredge Mermentau / Sabine-Naches Waterway USACE, Galveston District

Date: 6 /		ads: 409				
	d: 29°37'N 9					
Weather Condi	tions: CLEAR, N+	oW 2-15	KNOTS, CAL	M to 2's	SEAS	
Range of H <sub>2</sub> O	Temperature: Surface	<u> 79-82° 1</u>	_		ерth <u>77</u> -	80° F
Condition of all	l screening apparatus:_	GOOD				
Are there incid	lents involving endan	gered or prote	cted species?	Yes	No_ ~	200
Comments (type	of material being dre	dged, biologica	al specimens, et	c.):	Art.	7 - 7 - 7 V 2 - 1
DREDGED	MATERIAL AV	AS FINE	MUD COM	PRISED	OF SILT	AND CLA
					:	
CASES	AL MATERIAL	INCLUDE!	) SARGAS	SUM WE	D, WHEL	k EGG
Duck C	DYSTER SHELLS	DI PLANT 1	SOOIS, OYS	STER DRI	LL SHELL,	SMOOTH
RAY.	AN SHELL, SCA	LLUP SHE	LL, 4 CUT	LASS FISH	I, AND I	DEVIL
ABIOTIC N	MATERIAL INCL	UDED PI	ASTIC CL	יות איני	TADE	
ROPE, G	LOVE, MILK CA	RTON, WI	PE NET A	ALUMIALU	A FIRE D	INE,
AND ME	TAL.		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1 - UMIN U	M, PIBER	GLASS,
JELLYBAL	LS WERE CON	NCENTRAT	ED JUST	UNDER	THE SUR	FACE
OF THE	WATER TODA	Υ				
		Bridge Wa	atch Summary			
<b>Species</b>	# of Sightings	# of Animals	Comments			•
T+	_ 9	_34		EDING S	SPLASHING	6. Roul-
			RIDING	AND A	PPROACH	NG
			DREDG			
Observer(s) On 1	Duty: PATRICK /	UCKALLI	CATUL	SALAC		
		7 1 11000)	<u> </u>	シュアイン		

Dredge Mermentau / Sabine-Naches Waterway
USACE, Galveston District

Date: U / &	$\frac{192}{1}$ La	pads: 447	7 - 484	
Area(s) Worked:	2903711 930	481W [Load	5 447-468 Section #8 5+000 +0 10+000 10 ads 4109-	484 Sec Long
Weather Condition	s: CLEAR to PA	RTLY CLOU	DY, N to W 6-12 KNOTS, CALM - 2'	10 to to 151
Range of H <sub>2</sub> O Tem	perature: Surface	e 78-82°F	Below Mid-Depth 76 - 80° F	The state of the s
Condition of all scr	reening apparatus:	GOOD		
		,		
Are there incident	s involving endan	gered or protec	cted species? YesNo	
Comments (type of MATERIAL DR	material being dre	edged, biologica	I specimens, etc.):	and the state of t
	***			
BIOLOGICAL	SPECIMENS	INCLUDE	D SARGASSUM WEED, WHELK E	GG
CASES, OY	STER SHELL	S, 5 TUBE	WORMS, 3 SEA CATFISH. 15 CUTLAS	SSFISH.
3 JELLYBAL	LS, AND ONE	UNIDENTI	FIED CRAB SHELL	
19 15716 44	1-211			-
TIDIOLIC MA	HIERIAL INC	LUDED PL	ASTIC, ROPE, RUBBER, CLOTH,	
PAPE RUM	IPER, CABLE	AND COL	MESH BAG, DUCT TAPE, WOOD, NET	<del></del>
Not be a joint	PER, CABLE	, AND FUNI	A KUBBEK.	
SCHOOLS OF	MENHADENI	WERF SF	EN NEAR THE CHANNEL.	
			CA THE OFFICE L.	
				-
W drigon in the second				
1.3 多数:.		D : 1	3.4	
Species	# of Sightings	_	atch Summary	
T	# of Sightings	# 01 Allillais 23	Comments ACTIVITY INCLUDED APPROACHING	<u> </u>
			DREDGE AND SWIMMING IN	2
			DREDGE WAKE.	
<del>Proposition of the second of </del>				
<b>a</b>	D~~	MCK	A THE CASE	
Upserver(s) On Dui	ty: PHTKICIC	111 DH/V/V	CATHY SAKAS	

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge Mermentau / Sabine-Naches Waterway
USACE, Galveston District

Date: 6 /	2/1/ L	oads: <u>485</u>	227			
Area(s) Worked	1: 29°37'N 93°	248'W SO	ection 7	10+000 to	15+000	
Weather Condit	tions: <u>Clear to</u>	Partly Clo	oudy, N to	W to EN	FRIL K	Kn. de 12-
Range of H <sub>2</sub> O 7	Temperature: Surfac	e <u>78-80° F</u>	= E	Below Mid-D	enth 77 - 75	OF S
Condition of all	screening apparatus:	GOOD				
						<u> </u>
		<del></del>				
<b>Are there incid</b>	ents involving endan	gered or protec	cted species?	Yes	No	<u>.</u>
Comments (type	e of material being dre	edged biologica	I specimens et	· ).	; ;;	4.4
DREDGED	MATERIAL IS	FINE MUL	COMPOSI	ED OF (	-IAY AND	S11 7
BIOTIC A	MATERIAL INC	LUDED S	ARGASSU	M WEE	D. OYSTE	SHELLS
WHELL E	199 CASES, 7	CUILASS	FISH. 157	TURE WA	PMC DIA	T DAATE
I DEVIL	KAY, I GODS'E	NECK BARI	NACLE, 1	UNIDEN.	TIFIED FIS	H. WUOD.
IJELLY	RAII I MENI	HADEN	•			
10.	BALL, I MEN		·····			
ABIOTIC A	MATERIAL IN	CLUDED	PLASTIC,	METAL	, CLOTH.	LINE
ABIOTIC A	MATERIAL IN LE, ROPE, CRAI	CLUDED	PLASTIC, IPPER.	METAL	, CLOTH,	LINE,
ABIOTIC A NET, CABI	MATERIAL IN LE, ROPE, CRAI	CLUDED B TRAP, Z	IPPER.			LINE,
ABIOTIC A NET, CABI	MATERIAL IN	CLUDED B TRAP, Z	IPPER.			LINE,
ABIOTIC A NET, CABI	MATERIAL IN LE, ROPE, CRAI SCHOOLS OF M	CLUDED B TRAP, Z MENHADEN	IPPER. I SEEN M	NEAR CH	IANNEL,	LINE,
ABIOTIC A NET, CABI	MATERIAL IN LE, ROPE, CRAI	CLUDED B TRAP, Z MENHADEN	IPPER. I SEEN M	NEAR CH	IANNEL,	LINE
ABIOTIC A NET, CABI	MATERIAL IN LE, ROPE, CRAI SCHOOLS OF M	CLUDED B TRAP, Z MENHADEN	IPPER. I SEEN M	NEAR CH	IANNEL,	LINE
ABIOTIC A NET, CABI	MATERIAL IN LE, ROPE, CRAI SCHOOLS OF M	CLUDED B TRAP, Z MENHADEN	IPPER. I SEEN M	NEAR CH	IANNEL,	LINE
ABIOTIC A NET, CABI	MATERIAL IN LE, ROPE, CRAI SCHOOLS OF M	CLUDED B TRAP, Z MENHADEN	IPPER. I SEEN M	NEAR CH	IANNEL,	LINE
ABIOTIC A NET, CABI	MATERIAL IN LE, ROPE, CRAI SCHOOLS OF M	CLUDED B TRAP, Z MENHADEN	IPPER. I SEEN M	NEAR CH	IANNEL,	LINE
ABIOTIC A NET, CABI	MATERIAL IN LE, ROPE, CRAI SCHOOLS OF M	CLUDED B TRAP, Z MENHADEN ING JUST	IPPER.  J SEEN M  UNDER 1	NEAR CH	IANNEL,	LINE
ABIOTIC A NET, CABI LARGE : RAYS SE	MATERIAL IN LE, ROPE, CRAI SCHOOLS OF M EN SKITTERI	CLUDED  B TRAP, Z  MENHADEN  NG JUST  Bridge Wa	JPPER.  J SEEN M  UNDER D  uch Summary	NEAR CH	IANNEL,	LINE
ABIOTIC A NET, CABI LARGE : RAYS SE	MATERIAL IN LE, ROPE, CRAI SCHOOLS OF M	CLUDED B TRAP, Z MENHADEN NG JUST  Bridge Wa # of Animals	JPPER.  J SEEN A  UNDER L  utch Summary  Comments	JATER S	IANNEL.	
ABIOTIC A NET, CABI LARGE S RAYS SE	MATERIAL IN LE, ROPE, CRAI SCHOOLS OF M EN SKITTER! # of Sightings	CLUDED  B TRAP, Z  MENHADEN  NG JUST  Bridge Wa	JPPER.  J SEEN A  UNDER J  UNDER J  Comments  ACTIVITY	JATER S	D APPROACE	TING AND
ABIOTIC A NET, CABI LARGE : RAYS SE	MATERIAL IN LE, ROPE, CRAI SCHOOLS OF M EN SKITTER! # of Sightings	CLUDED B TRAP, Z MENHADEN NG JUST  Bridge Wa # of Animals	IPPER.  J SEEN A  UNDER D  UNDER D  Comments  ACTIVITY  SUJIMMI	INCLUDE NG BEHI	D APPROACE	TING AND
ABIOTIC A NET, CABI LARGE : RAYS SE	MATERIAL IN LE, ROPE, CRAI SCHOOLS OF M EN SKITTER! # of Sightings	CLUDED B TRAP, Z MENHADEN NG JUST  Bridge Wa # of Animals	JEEN A  UNDER D  UNDER D  ACTIVITY  AND TA	INCLUDE NG BEHI	D APPROACE NO DREDGE	ING AND SPLASHI
ABIOTIC A NET, CABI	MATERIAL IN LE, ROPE, CRAI SCHOOLS OF M EN SKITTER! # of Sightings	CLUDED B TRAP, Z MENHADEN NG JUST  Bridge Wa # of Animals	JEEN A  UNDER D  UNDER D  ACTIVITY  AND TA	INCLUDE NG BEHI	D APPROACE	ING AND SPLASHI

Dredge Mermentau / Sabine-Naches Waterway
USACE, Galveston District

Date: 6 /		ads: 525 -		10 . 3 1 2 1	
Area(s) Worked	1: 29037'N 9	3°48'W, .	Section 7 (	0 + 000 to 15+	000)
Weather Condit	ions: Clear to Ha	124. Partly	Cloudy, NW 7	ONto E to SE !	5W 6-10, 0-
Range of H <sub>2</sub> O 7	Temperature: Surface	78-83°F	<del>-</del>	v Mid-Depth <u>78</u>	A Barrer Ambres
Condition of all	screening apparatus:_	Good		T <sub>1</sub>	
Are there incid	ents involving endang	gered or protec	ted species? Y	es No_	<u>/</u>
Comments (type	e of material being dree	dged, biological	specimens, etc.):_		Service Service
DREDGED M	ATERIAL WAS MU	D COMPOSE!	OF SILT AN	D CLAY.	
ProtoCical	SOFELASIC	ICLUNED	CADO ASCULL		
	SPECIMENS IN				
	GG CASES, 23 CU				NG WHELK
COMMOSE	RAY, JELLYFISH	CAIFION	, WOOD, FISH	BONE.	
	ATERIAL INCLUDE SH, WIRE, ROPE,			TAL, CLOTH, L	INE, NET,
		<del>-,</del>			
		Deidas Wo	tak Cummanana		
&Spacios	# of Sightings	•	tch Summary Comments		· · · · · · · · · · · · · · · · · · ·
Species T2	# of Signtings	# 01 Animais		DED TAIL SLAF	PING, APPROACH
				OWRIDING HUNT	
		· .			
			A		
Observer(s) On	Duty: PATRICK A	MCKANN, CI	HTHY JAKAS		

Dredge MERMENTAU - Sabine Pass, TX USACE, Galveston District

Date: 6 / 5 / 97 Loads: 564-594
Area(s) Worked: 29°37'N 93°48'W SECTION 7 10+000 to 15+000
Weather Conditions: CLEAR to CLOUDY, NW to SW to SE 6-10 KNOTS, O-1' SEAS
Range of H <sub>2</sub> O Temperature: Surface 79°-82.5° F Below Mid-Depth 78°-81.5° F
Condition of all screening apparatus: GOOD
Are there incidents involving endangered or protected species? Yes No
Comments (type of material being dredged, biological specimens, etc.):
DREDGED MATERIAL WAS MUD COMPOSED OF SILT AND CLAY.
BIOLOGICAL SPECIMENS INCLUDED SARGASSUM WEED, OYSTER SHELLS,
CONCH SHELL, 3 CUTLASSFISH, WHELK EGG CASES, I BLUE CRAB,
2 TUBEWORMS, 2 JELLYFISH, WOOD
ABIOTIC MATERIAL INCLUDED CLOTH, PLASTIC, ROPE, ALUMINUM CAN,
LINE, TIRE, NET, CRAB TRAP, RUBBER, CHAIN, METAL, FIBERGLASS,
MESH BAG.
NUMEROUS CLUMPS OF SARGASSUM WEED AND SCHOOLS OF MENHADEN
NEAR CHANNEL.
DREDGE WENT TO DOCK FROM 720 UNTIL 1228 TO REFUEL.
Bridge Watch Summary
Species # of Sightings # of Animals Comments
T+ 6 27 ACTIVITY INCLUDED TAIL SLAPPING,
APPROACHING DREDGE AND FOLLOWING
DREDGE.
Observer(s) On Duty: PATRICK MCKANN, CATHY SAKAS
Observer(s) On Duty: ITING MANAY, CALLET SALAS

Dredge MERMENTAU - Sabine Pass, TX
USACE, Galveston District

Date: 06 106 1			33		
Area(s) Worked:	A1017 1(46	1015	+000 Such	$\frac{\alpha \cdot t}{4}$	
Weather Conditions:	Bitty Class	<u> </u>	57V-5W5	5-15 Knots, Seas	s. Jalon-
Range of H <sub>2</sub> O Temper	ature: Surface	74° · · · · · · · ·	Below Mid-	Depth 70.51°	<del></del>
Condition of all screen					
Are there incidents in	avolving endang	gered or protec	ted species? Yes	No_\(	
Comments (type of ma	storial baing drag	daed hiological	specimens etc.):		
				word Comprised	
1.7			1	" " wed wi	1 Keasico
<del></del>		, .	Well worm	fish colle	hells.
Abiotic Som	Hes inot	ille plac	Hic, While, lu	ie, pet, cope,	MALLEY.
Cotio Ray			· Metal, PV		
All equipm	ent and	1.	intact and i	a gair various	न्दु क्षात्रं
		· ·			
There was	D. 1000 38	its publi	wg endang	gend or product	<u>. (1)                                   </u>
species,					
•					
		· · · · · · · · · · · · · · · · · · ·			
			***************************************		
		Bridge Wa	atch Summary		
Species	# of Sightings		Comments		
	05 7	<u> </u>	Pattenese	3 dolor	
				,	
				;	
() 0. 5	Jalka .	'n Wha	Fabrick III	A 100	
Observer(s) On Duty	: Unit		1 1 1 1 1 1 1 1 1		

Dredge MERMENTAU - Sabine Pass, TX USACE, Galveston District

Date: $O(0/0+/9+$ Loads: $(534-(667)$
Area(s) Worked: Section 9+000 to 15+200 Section 7
Weather Conditions: Mostly Clear + Cloudy, S-SW winds 5-1016ts, Spas 11 to 1.6
Range of H <sub>2</sub> O Temperature: Surface 1(0-83°F Below Mid-Depth 7(0-83°F
Condition of all screening apparatus:
Are there incidents involving endangered or protected species? Yes
Comments (type of material being dredged, biological specimens, etc.):
Dredge expanded section # 7 to include Stations 9+000 to
151200. Dredge material is Sill with some Clay.
Biological specimens include; tube worms oysker shells, sorgassum
weed, plant root, whelk egg casings, 4 Atlantic cutlass fish
I unidentified tay I belly ball, a lightening whelk, I ponderous ark clam
Garbage Samples include: fin cans, clothing, line, net, rope,
plastic, wood, metal, plastic tubing, duct fape, wire, rubber
and I milk Carton
Equipment and Screening infact and in good working order.
Observer Cinarlotte Cates replaced Patrick McKann
at = 0630 hours
There were no incidents involving endanged or protected
Species.
Bridge Watch Summary
Species # of Sightings # of Animals Comments
Tursiops truncatos 11 56 Bottlenose dolphins
Observer(s) On Duty: Charlete Cates, Cathy Sakas

Dredge MERMENTAU - Sabine Pass, TX USACE, Galveston District

#### **WEEKLY SUMMARY**

Dates: 06 101 197 - 06 107 197 Loads: 409-667
Range of H <sub>2</sub> O Temperature: Surface 76-83° F Below Mid-Depth 76-83° F
Area(s) Worked: Loads 409-468 Section # 8 5+000 to 10+000; Loads 469-654 Section # 7 10+000 to 15+0
Loads 655-667 Section # Textended 9+000 to 15+200; 29 311 93048 W
Are there incidents involving endangered or protected species? Yes No_X
Comments:
Dredged mayerial is a fine mud of uniform consistency compased of
Biological specimens collected on the screens included tube worms, oyster
BIOLOGICAL SPECIMENS COLLECTED ON THE SCHENS INCLUDED TUBE WOTMS OYSTEY
1 unidentified ray I compose rous I devil ray 10 cllyballs 3 lightening
whelks, I ponderous ark sholl (live). 2 unidentified fish, heart cookle
shells, conch shells, I blue crab, I unidentified crab, 5 sea cattish,
fish bone, I gooseneck barnacle, I menhaden, oyster drill shells,
Shells, Sargassum weed, plant roots, whelk egg cases, 59 Atlantic cutlass fish, I unidentified ray, I compose ray, I devil ray 10 jellyballs, 3 lightening whelks, I ponderous ark shell (live), 2 unidentified fish, heart cockle shells, conch shells, I blue crab, I unidentified crab, 5 sea cattish, fish bone, I gooseneck barnacle, I menhaden, oyster drill shells, smooth, duck clam shell, scallop shells.
Abortic material collected included plastic (most prevalent) cloth.
Abiofic material collected included plastic (most prevalent), cloth, duct tape, fishing line, net, rope, aluminum, wood, wire, glove, milk carton, line, metal, crab trap, mesh bag, rubber, rope bumper, cable, foam rubber, zipper, shirt, toaster, cement, tire, chain, copportube, PVC pice, oil filter, tincous, plastic tubing
milk carton, live, motal, crab trap, mesh bag, rubber, ropo bumper,
cable, foam rubber, zipper, strirt, toaster, cement, tire,
Chain, copportube, PVC pice, oil filter, tincous, plastic tubing
At various times throughout the week numerous clumps of Sarciassum weed, large schools of movinader and less devise concentrations of
iclly balls were observed.
Bridge Watch Summary
Species # of Sightings # of Animals Comments
Tursiaps truncatus 55 235 Activity included tail slapping, approaching dredge, following dredge,
bow ridina hunting swiming
in dredoe's wake I three mother (co
pairs were observed in one pod.
·
Observers On Duty: CATHY SAKAS, PATRICK MICKANN, CHARLOTTE CATES

Dredge MERMENTAU - Sabine Pass, TX USACE, Galveston District

Date: (100 / 18 / 1 + Loads: (100 +0	
Area(s) Worked: 1000 1,108-1080, 1084-701	Section#791000-15+200, loads 681
Area(s) Worked: 1000 1,68-680, 684-701 Section#6 101000-201000. Weather Conditions: Mostly Sunny to overcost, 1	variable wind light to 5145, seas cal
Range of H <sub>2</sub> O Temperature: Surface 760-83°F	Below Mid-Depth 76°-83°F a.
Condition of all screening apparatus:	
Are there incidents involving endangered or protected	species? YesNo \(  \)
the there included in working endangered or protected	species? YesNo_X
comments (type of material being dredged, biological spe	ecimens etc.):
Dredge material is Silt with S	ome Clay. Biological
specimens include; tube worms, or	vister shells mus-(2).
2 Cutlass fish, heart cockle Shel	115. ach Shells, Sacanssum
heed. Garbage Samples include;	
crab oots, word cable cubbe	1. fiberglass, aluminum cans,
rug parts, wire, mesh bag. Equ	pioment and sorregion in
and working order and intac	of the second of
the state of the s	
There were no incidents invol	vina enclaraged spring
The code in military in the	my cramigered species.
<del></del>	
	· · · · · · · · · · · · · · · · · · ·
45	
Bridge Watch	
Species # of Sightings # of Animals Co	omments
Tursiops truncatus 2 Le	
AND THE RESERVE OF THE PROPERTY OF THE PROPERT	
	4
Observer(s) On Duty: Charlotte Cates, (	Cathy Sakas
	•

Dredge MERMENTAU - Sabine Pass, TX USACE, Galveston District

Dredge MERMENTAU - Sabine Pass, TX USACE, Galveston District

Date: 06 / 10	<u>/97</u> Loa	ds: <u>1737                                   </u>	to 1770
Area(s) Worked:	ection#79+	000-13t2	200 loads 1737-1751, Section 6 15+000-20+ able winds 8-10 Kts, Seast-Z
Weather Condition	s: Hartly Clo	udy, vario	able winds 1-10 Kts, Seast-2
Range of H <sub>2</sub> O Tem	perature: Surface_	20°C	Below Mid-Depth 22°C
Condition of all scr	eening apparatus:_	(-000d)	:
Are there incident	s involving endang	gered or protec	ted species? Yes No_X
Dredge ma	iterial is s	ilt With	specimens, etc.):
Consisteo	OF VERY OIL	- Weather	ine, one boot, plastic bags and
included, 1	ope, plasti	was not	used from 0840 hours to
MA EAA	< SA that	the TED	could be repaired. It had
he come 10	se from +	he Oraa	head. Equipment & screening
intert Cir	id function	al.	0 1
3:			
There were	e no incide	nts invo	lving endangered Species.
•			
		Bridge Wa	atch Summary
Species	# of Sightings	# of Animals	
Species	" or orginings	,, 0.1.1	
	Marchi	o Co. Loc	Sue San Chan
Observer(s) On D	uty: ( )/ ICAL TOF+	c cures,	

Dredge MERMENTAU - Sabine Pass, TX USACE, Galveston District

Area (s) Worked: Status 97000-15+200 Weather Conditions: Clear Skies, Varia Dewards 2 18 Kmts, Seast-2 Range of H <sub>2</sub> O Temperature: Surface (19°-81°F Below Mid-Depth (19°-81°F) Condition of all screening apparatus: Good  Are there incidents involving endangered or protected species? Yes No X  Comments (type of material being dredged, biological specimens, etc.):  Dredge material is sult with some clay Buological specime (194) Buological specimens (		· · · · · · · · · · · · · · · · · · ·	ads: 1771-18	
Range of H.O Temperature: Surface 69°-81°F  Condition of all screening apparatus: Good  Are there incidents involving endangered or protected species? Yes No X  Comments (type of material being dredged, biological specimens, etc.):  Dredge material is sulf with some clay Riological specimens include. Several old weathered turtle bones and one Cuttons fish Trash items include, plastic, pline, net, rape, wood, clothing and wire. Portdrag head was rewelded in the afternoon. All equipment and screening intact and in good working order.  There were no incidents involving endangered species  Bridge Watch Summary  Species # of Sightings # of Animals Comments  Suppostructors 4 Rotherose dolphins feeding on schools of mentruplen.	Area(s) Worked:	station 9+00	00-15+200	)
Are there incidents involving endangered or protected species? Yes NoX			- (	
Are there incidents involving endangered or protected species? Yes NoY	Range of H₂O Temp	erature: Surface	69°-81°F	Below Mid-Depth (9°-81°)
Drenge material being dredged, biological specimens, etc.):  Drenge material is silt with some clay. Biological specimens, etc.):  Include several old weathered toothe bones and one cuttoss fish trash items include; plastic, pline, net, rape, wond, clothing and wire. Portdrag head was rewelded in the afternoon. All equipment and screening intact and in good working order.  There were no incidents involving endangered species  Bridge Watch Summary  Species # of Sightings # of Animals Comments	Condition of all scre	ening apparatus:_	Good	<u> </u>
Drenge material being dredged, biological specimens, etc.):  Drenge material is silt with some clay. Biological specimens, etc.):  Include several old weathered toothe bones and one cuttoss fish trash items include; plastic, pline, net, rape, wond, clothing and wire. Portdrag head was rewelded in the afternoon. All equipment and screening intact and in good working order.  There were no incidents involving endangered species  Bridge Watch Summary  Species # of Sightings # of Animals Comments				<del></del>
Dredge material is silt with some Clay Biological specing include several old weathered truthe bones and one cuttoss fish Trash items include; plastic, or line, net, rape, wood, Clothing and wire. Portdrag head was rewelded in the African. All equipment and screening intact and in good working order.  There were no incidents involving endangered species.  Bridge Watch Summary  Species # of Sightings # of Animals Comments  rsiops truncates 4 49 Bottlenose, dolphins feeding on schools of menhayden.	Are there incidents	involving endan	gered or protect	ted species? Yes NoX
Bridge Watch Summary  Species # of Sightings # of Animals Comments  There was a feeding on Schools of Menhander.	Dredge ma include se	terial is s	silt with weathered	Some Clay. Biological speci
Species # of Sightings # of Animals Comments  Species # of Sightings # of Animals Comments  Suppostruncates 4				
There were no incidents involving endangered species  Bridge Watch Summary  Species # of Sightings # of Animals Comments resiops truncates 4 49 Bottlenose dolphins feeding on Schools of mentrypen.				
There were no incidents involving endangered species  Bridge Watch Summary  Species # of Sightings # of Animals Comments resiops truncates 4 49 Bottlenose dolphins feeding on Schools of mentrypen.	in the aftern	oon. All 6	2quipment	and Screening intact and
Bridge Watch Summary  Species # of Sightings # of Animals Comments  TSIOPS truncates 4 49 Bottlenose dolphins feeding on  Schools of Mentruiden.	in good u	sorking or	der-	
Bridge Watch Summary  Species # of Sightings # of Animals Comments  TSIOPS truncates 4 49 Bottlenose dolphins feeding on  Schools of Mentruiden.	<del></del>			
Species # of Sightings # of Animals Comments response truncatus 4 49 Bottlenose dolphins feeding on Schools of Mentryden.	I here were	no incide	nts involv	ving endangered species.
Species # of Sightings # of Animals Comments response truncatus 4 49 Bottlenose dolphins feeding on Schools of Mentryden.			· · · · · · · · · · · · · · · · · · ·	-
Species # of Sightings # of Animals Comments response truncatus 4 49 Bottlenose dolphins feeding on Schools of Mentryden.				
Species # of Sightings # of Animals Comments response truncatus 4 49 Bottlenose dolphins feeding on Schools of Mentryden.				
Species # of Sightings # of Animals Comments response truncatus 4 49 Bottlenose dolphins feeding on Schools of Mentryden.				
Species # of Sightings # of Animals Comments response truncatus 4 49 Bottlenose dolphins feeding on Schools of Mentryden.				
Species # of Sightings # of Animals Comments response truncatus 4 49 Bottlenose dolphins feeding on Schools of Mentryden.				
Species # of Sightings # of Animals Comments response truncatus 4 49 Bottlenose dolphins feeding on Schools of Mentryden.				
Species # of Sightings # of Animals Comments response truncatus 4 49 Bottlenose dolphins feeding on Schools of Mentryden.				
Species # of Sightings # of Animals Comments response truncatus 4 49 Bottlenose dolphins feeding on Schools of Mentryden.				:
rsiops truncatus 4 49 Bottlenose dolphins feeding on Schools of Menhayden.				
Schools of mentryden.			_	
	Species	, -	# of Animals	Comments
Observer(s) On Dury: Charlotte, Cates, Sulsan Chan.	•	, -	# of Animals	Comments Bottlenose dolphins feeding on
Observer(s) On Dury: Charlotte, Cates, Sulsan Chan.	•	, -	# of Animals	Comments Bottlenose dolphins feeding on
Observer(s) On Duty: Charlotte, Cates, Sulsan Chan.	•	, -	# of Animals	Comments Bottlenose dolphins feeding on
	orsiops truncat	nus 4	# of Animals	Comments Bottlenose dolphins feeding on

Dredge MERMENTAU - Sabine Pass, TX USACE, Galveston District

Date: 6 / 12 / 97 Loads: 1806 - 1840
Area(s) Worked: Sec. 7: 9+000-15+200 / sec. 6: 15,000-20,000
Weather Conditions: mostly dear, hazy; variable winds @2-10 Knots; sease 1-2
Range of H <sub>2</sub> O Temperature: Surface 69° Below Mid-Depth 69°
Condition of all screening apparatus: 900d
Are there incidents involving endangered or protected species? Yes No
Comments (type of material being dredged, biological specimens, etc.):  Dredge material comprised of silt and clay, Biological specimens included a channel eartfish head bone, whelk casings, shells. Trash items included plastic, nopes, netting, wires, rags, hoses.
All equipment and screening intact and in good working order.
No incidents involving endangered species.
Bridge Watch Summary
Species # of Sightings # of Animals Comments  Tursiops truncatus 6 41 Bottlenese dolphins feeding, playing
Observer(s) On Duty: SueSan Chan, Charlotte Cates

Dredge MERMENTAU - Sabine Pass, TX USACE, Galveston District

Date: 6 /	13 /97	Loads: 1841-	1851	
Area(s) Worked	d: sec. 7: "	1+000 to	15+200	
<b>4</b>				8-20 Knots; seas & 1-
		-	Below Mid-De	
	screening apparatus	1		
Are there incid	dents involving end	angered or prote	cted species? Yes	No X
Comments (typ	e of material being o	lredged, biologica	al specimens, etc.):	
Dredge v	naterial comp	orised of	silt and clay.	No brokgical
Specimens	Collected.	Irash items	s include plast	tics, rope, netting.
	t and scope	Leader and		L 1
acceptive v	II and screen	ing inract	and in good	working condition.
Meanenta	4 loft for a	ant @ alu	o for water a	
Mermenta	y left fort	© 2230	to water a	na repairs
	CET POLL	<u> </u>		
No maide	nts involving	endonae	red energies.	
	1/0=10110	crocarge	ica species;	
Service Control				
A Salar				
1.				
3000 1446 18600				
<b>왕</b> 다. 근학		Bridge W	atch Summary	
Species	# of Sighting	s # of Animals	Comments	
T+		3		
· ·				
Observer(s) Or	Duty: SueSan Ch	San Charl	otte Cates	
Upserver(s) Or	Duty: Duesder Cr	wy chart	olle (alc)	
. 45				•

Dredge MERMENTAU - Sabine Pass, TX USACE, Galveston District

Date: 0/14	197 Lo	ads: 1852-	1876			
Area(s) Worked:	Station 9+000	15+200 #1	852-1859	81-1381	76. Sta. 15+0	00-20100
Weather Condition	s: <u>Clear Sk</u>	ies, Stos	ow winds	10-1814	s, Seas 2-	4
Range of H <sub>2</sub> O Tem	perature: Surface	290-29.6	5°C Below	Mid-Depth_	290-29.5	C
Condition of all scr	eening apparatus:_	Good				
					,	
Are there incident	s involving endan	gered or protec	cted species?	Yes	No_ <u>\</u>	
· · · · · · · · · · · · · · · · · · ·		. d d. 1	1			
Comments (type of	material being dre	edged, biologica	I specimens, etc.	.):	Biologica	. 1
	s include;					h Shell
Trash iter	ns include;	CODE DE	tiline. D	lastic.	tin. Cloth	(Na
and other	r assorted	trash,	Drectge	Was	down for	J
repairs at	1018 and 1	resumed of	lædging åt	1527	hours.	
	no.					
1 here we	re vincincen	ites invol	ving endo	ingered	species.	
a de la companya de l						
			***************************************	:		
			***************************************			
× 2						
				:		
		Bridge Wa	tch Summary			
Species		# of Animals				
Tursiops trunca	to 5	15				
			·.			
	<u> </u>			<u>.</u>		
Observer(s) On Du	ity: Charlot	le Cales,	SwSon	Chan		

Dredge MERMENTAU - Sabine Pass, TX USACE, Galveston District

#### **WEEKLY SUMMARY**

Dates: ( 10 10 8 1 97 - 06/14 197 Loads: 10 18 76
Range of H <sub>2</sub> O Temperature: Surface $22^{\circ}-29^{\circ}5^{\circ}C$ Below Mid-Depth $22^{\circ}-29^{\circ}5^{\circ}C$
Area(s) Worked: Good
Are there incidents involving endangered or protected species? Yes No /  Comments: Dredge Continues working red side tow and  Quarter lines: Dredge material is sit with some Clay.  Biological specimens include; tube worms, oyster shells, rays.  Cutlass fish, beart cockle shells, ark shells, sargassim  weed, whelk egg Casings, Channel Catfish head bone,  Trash items include; net plastic rope tin, tine, Clothing, hose  wood, wire, fibbraglass, Crab pots, Mesh bag, aluminum Cans  and other assorted trash.
On Cell3197 Dredge went to port for fuel and water.  Sue Son Chan replaced Cathy So Kas as furtle observer on  Col9197.  Equipment and Screening intact and fully functional.  There were no incidents involving endangered species.
Species # of Sightings # of Animals Comments  Tursiops truncate Lo 136 Bottlenese delphin
Observers On Duty: Charlotte Cates, SueSonChan, Cathy Sakas

# Dredge MERMENTAU - Sabine Pass, TX USACE, Galveston District

06, 15, 97 Loads: 1877-1906	
Worked: Section 7, Station 9+000-15+200#1877-1885, 1-1885, 1-1888, Section 8, Sta 5+000-16+000 er Conditions: Clear to partly cloudy, Upriable wind 8-13 kts.	889-1901 009902-51909
of H <sub>2</sub> O Temperature: Surface 20°-21.5°C Below Mid-Depth 18.5	20.C
Condition of all screening apparatus: 600	
A sthere incidents involving endangered or protected species? Yes	No_\
reage material is 5111 with some clay. Ro	logical
Decimens include; one Shark, jelly fish Sh	ell. Trash
ems include, Net, line rope Clothing, Dlastic,	Cloth, metal
	iurs to
place Cable. Equipment and screening and in good working order.	g intact
good vicinity viola	
there were no incidents involving endange	red Species
Bridge Watch Summary	:
Socies # of Sightings # of Animals Comments	
Bupstrungto 8 28 Bottlenose dolphi	NS
	**************************************
Charlotte Cates, SueSon Chan	

# Dredge MERMENTAU - Sabine Pass, TX USACE, Galveston District

Date: 00/11/9+ Loads: 1907-1942	
Area(s) Worked: Section 8, Stations 5+000-10+000	
Weather Conditions: Partly Cloudy winds Stossw 8-14 Knots, Seas 2.	-4
Range of H <sub>2</sub> O Temperature: Surface 24°-31°C Below Mid-Depth 24°-31°C	
Condition of all screening apparatus:	
Are there incidents involving endangered or protected species? Yes	
Comments (type of material being dredged, biological specimens, etc.):	
Dredge Continues working in Section # 8. Dredge	
material is Silt with increasing amounts of clay	
Biological Specimens include: Shell, whelk egg casings	<u> </u>
Sargassim, 3 Atlantic cutlass fish, Sargassim weed,	7
I catfish Trash items include, net, line, rope, wood,	
plastic Clothing, rain sleeker, glass, cloth, plastic	
buckets, floats and other assorted trash. All equip	men.
and Screening intact and in good working order.	<del></del>
there were no incidents involving endangered species.	<del></del>
S	<del></del>
	<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>
Bridge Watch Summary	
Species # of Sightings # of Animals Comments	
ursiaps truncatus 9 84 Bottlenase Colphin	
Observer(s) On Duty: Charlotte Cates, Sue San Chan	
Coserver(s) On Duty: CI NOTE CLUTS, CIVED CIVED	

Dredge MERMENTAU - Sabine Pass, TX USACE, Galveston District

Date: 06/17/97 Loads: 1943-1975
Area(s) Worked: Section #8, Stations 51000-101000
Weather Conditions: Partly Cloudy-thunderstorms, SW'ly winds 10-34 Kts, Seas 1
Range of H <sub>2</sub> O Temperature: Surface 26-39.5°C Below Mid-Depth 26-29.5°C
Condition of all screening apparatus: Good
Are there incidents involving endangered or protected species? Yes
Comments (type of material being dredged, biological specimens, etc.):
Dredge material is silt with increasing amounts of clay
Dredge material is Silt with increasing amounts of clay Biological specimens include; Atlantic cutiass fish, sargassum weed, Shells, Stingray, Trash ikms include: line, net, rope, Clothin
weed, Shells, Stingray, Trash ikms include: line, net more Clathia
tooth brush, plastic, matters from metal, wood, cloth and
plastic bucket. Dredge was down from 1426 hours to
1502 bours du to Severe Storms and from 1508-1548
hours dredge dug with Dort arm poly All egistiment
1502 hours due to Severe Storms and from 1508-1548 hours aredge dug with part arm only. All equipment and Screening intact and in good working order.
The same of the sa
There were no incidents involving endangered species.
There seems the mederns modern general species.
Bridge Watch Summary
Species # of Sightings # of Animals Comments
Tursiaps truralus 13 92 May be sightings of same
animals feeding in the Channel
Observer(s) On Duty: Charlotte Cates, SueSan Chane
Controlly on Day. The total of

Dredge MERMENTAU - Sabine Pass, TX USACE, Galveston District

Date: 06/18/97 Loads: 193	the - 2010
Area(s) Worked: Stations 5+000-	10+000 \$ 15+000-20+000
Weather Conditions: Cloudy, Variable	
Range of H <sub>2</sub> O Temperature: Surface 26°C	
Condition of all screening apparatus:	
Are there incidents involving endangered or p	protected species? YesNoV
Comments (type of material being dredged, biol	ogical specimens, etc.):
	th Some Clay. Biological
Specimens include; Atlantic	Cuthes fish, Cathish, Sargassum
weed. Trash items include;	line, net, rope, plastic, Cloth, Clothina
grapport, Oil filtr; wood, She	ell, tin cans wire. Dredge moved
From Section 8 Stations 51	000-10+000 to Section # ( Station
15+000-020+000. All ea	guipment and screening Infact
and fully functional.	3
There were no incidents i	audving endlangered species
· ·	
	e Watch Summary
Species # of Sightings # of Anir  Sups truncatus 4 19	mals Comments
Observer(s) On Duty: Charlotk Cake	S. SueSan Chan
· :	

Dredge MERMENTAU - Sabine Pass, TX USACE, Galveston District

Date: 06/19/97 Loads: 2011-2047	
Area(s) Worked: Section 6, Stations 15+000-20+000	ेंश्रा है। जो
Weather Conditions: Partly Cloudy, light wind to South wind 18 Kts Seas	1-25
Range of H <sub>2</sub> O Temperature: Surface 26-28C Below Mid-Depth 26-28C	
Condition of all screening apparatus: (1000)	
Are there incidents involving endangered or protected species? Yes No_X	<del>-</del>
Comments (type of material being dredged, biological specimens, etc.):	
Dredge Continues work on red tow line in Section * le, Ste	ations
15+000-20+000. Dredge material is silt with little Cla	<u> </u>
Biological specimens extremly light Consisting Of; Sc	argassum
weed, Shells, one possible old dolphin bone, whelk ea	g Casinas
and one jelly fish. Trash items consist of Several 10	arge
tishing nets, line, rope, plastic, plastic buckets, wood	d, Clothin
rags, tin cans, oil filter, wire, duct tape and other as	SSOFFED
trash. Tide gage meter was not working today. All	<u> Paui Dment</u>
trash. Tide gage meter was not working today. All and Screening intact and fully functional.	
There were no incidents involving endangered species	
D. H. Wash C.	
Bridge Watch Summary	
Species # of Sightings # of Animals Comments	
Tirsiops trurcatus (o 05	
Victoria de la constante de la	
Observer(s) On Duty: Charlotte Cates Sue San Chan	

Dredge MERMENTAU - Sabine Pass, TX USACE, Galveston District

Dete: 6/20 94 Loads: 0048 - 2089
Arrea(s) Worked: Section to Station 15+000-20+000, Section 7 10+000-
Weather Conditions: Partly Cloudy's hazy, Sily+ SE wind 7.18 Kts, Seas 1-4' 15+60
Range of H <sub>2</sub> O Temperature: Surface <u>27-28°C</u> Below Mid-Depth <u>27.5-29.5</u>
Condition of all screening apparatus: 60d
Are there incidents involving endangered or protected species? Yes No
Comments (type of material being dredged, biological specimens, etc.):
Dredge worked red tow line in section 6, Station 15+000-
20+000 Dredge moved to Section 7. Station 10+000-
15+000 to work on Center line to the east tow line.
Biological specimens are very light consisting of sargassum.
Shells, coconut, Trash ikms include; I boot, oil filter, nets,
Line, rope, wire, plastic, Carpet, Cloth, Clothing, cans,
toam, and word. Tide machine resumed working at
infact and in good working order.
Infact and in good working order.
There were no incidents involving endangered species
Bridge Watch Summary
Species # of Sightings # of Animals Comments
irsiops truncation Le 25 Bottlenose dolphin
Observer(s) On Duty: Charlotte Cates, SueSan Chan

Dredge MERMENTAU - Sabine Pass, TX USACE, Galveston District

18 JUL 1997

Date: (0/21/97 Loads: 2089-2130	
Amea(s) Worked: Section 7 Stations 101000-15+000	
Weather Conditions: Partly & Cloudy to overcast, Sly wind 13-2	akls, seas 2-5
Range of H <sub>2</sub> O Temperature: Surface <u>37-28'C</u> Below Mid-Depth <u>20</u>	:-28°C
Condition of all screening apparatus:	
Are there incidents involving endangered or protected species? Yes	No
Comments (type of material being dredged, biological specimens, etc.):	1 7
Dredge worked Center line to east tow line in Se. Stations 10+000-15+000. Dredge material is	
Some Clay. Biological specimens light consisting	
eutlass, Sargassum, Shells. Trash items includ	ei Chains trott
Det line rope, plastic, wood, Cloth, wire, cans, t	Saas, and
Other assocked trush. All equipment and so	Rening
in Good working order.	J
There were no incidents involving endanguer	1 Species.
Bridge Watch Summary	
Species # of Sightings # of Animals Comments	
rsiopstruncatus 16 111 Bottlenose Ololph	in
Observer(s) On Duty: Charlotte Cates, Sue San Chan	
E TO THE STATE OF	

Dredge Mermentau / Sabine-Naches Waterway USACE, Galveston District

#### **WEEKLY SUMMARY**

Dates: $O(r/15/97 - O(r/2)/97$ Loads: $1877-2130$
Range of H <sub>2</sub> O Temperature: Surface 20.31°C Below Mid-Depth 18.5°-31°C
Area(s) Worked: Sections (0-2), Stations 5+000-201000
Are there incidents involving endangered or protected species? Yes No
comments: Dredge worked in Sections le 8. Stations 51000-201000 working Center line to east tow line. Dredge material is sitt with Some Clay. Biological specimes light Consisting of one. Alcomposing Shark, jellyfish, Shell, whelk egg Casings, Atlantic Cutlass fish, Surgassum, Catfish, Stingray, one possible old dalphin bone, Coconut. Trash items include; several large nets, line rope, Claining, plastic Cloth, metals, word, rain sleeker, glass, plastic buckets, floats toothbrush, toothpaste, materies from Crabpot, oil Aller tin cans, wire, Curt tape and other associed trash. Dredge was shut down in 1817 197 from 1826-1502 due to weather. Tide gage meter was down with equipment and screening in good marking order.  There were no incidents involving endangered species.
Bridge Watch Summary  Species # of Sightings # of Animals Comments
rsieps truncatus (12 384 Bottlenesse dolphin Some sightings
- may have been of same dolphins
Observers On Duty: Charlotte Cates, SusSan Chan

Dredge MERMENTAU - Sabine Pass, TX USACE, Galveston District

Date: $0/22/97$ Loads: $2131-2168$
Area(s) Worked: Section #7, Stations 10+000-15+000
Weather Conditions: Partly Clary, Sily + SE winds 15:20 Kts, Seas 3.5
Range of H <sub>2</sub> O Temperature: Surface $\frac{27-28.5^{\circ}C}{}$ Below Mid-Depth $\frac{27-28.5^{\circ}C}{}$
Condition of all screening apparatus:
<u></u>
Are there incidents involving endangered or protected species? Yes No
Comments (type of material being dredged, biological specimens, etc.): Dredge Continues
work in Section 7. Station 10+000-15+000. Dredge material
is silt with some Clay. Biological specimens light in quantity
Consisting of surgassum weed, whelk egg asings, shells,
Consisting of surgassum weed, whelk egg asings, shells, Atlantic Cutlass fish. Trash samples also light consisting
of wood, rope, line, net, wire, plastic, burlap bags, cloth,
Clothing cans, Chains, and plastic jugs. Equipment and
of, wood, rope, line, net, wire, plastic, burlap bags, cloth, clothing, cans, Chains, and plastic sugs. Equipment and Screening infact and in good working order.
J
There were no incidents involving endangered species.
Bridge Watch Summary
Species # of Sightings # of Animals Comments
insiops truncats 15 102 Some signtings may have been of sa.
animals feeding in the channel.
Observer(s) On Duty: Charlotte Caks, SueSan Chan

Dredge MERMENTAU - Sabine Pass, TX USACE, Galveston District

Date: 06/23/97 Loads: 2169-2208
Area(s) Worked: Section 7 10+600 1-15+000 and Section 8 5+000-10+000
Weather Conditions: Pactly Cloudy to Cloudy, SISE wind 18-20Kts, Seas 2-5
Range of H <sub>2</sub> O Temperature: Surface $\frac{27^{\circ} - 28^{\circ}C}{}$ Below Mid-Depth $\frac{27^{\circ} - 28^{\circ}C}{}$
Condition of all screening apparatus:
Are there incidents involving endangered or protected species? Yes No
Comments (type of material being dredged, biological specimens, etc.):  Dredge worked in Stations 10+000-15+000 Section 7 for locals  21169-2184, working Center line to east tow line. Dredge  then moved to section 8 Stations 5+000-10+000 to work  Center line as to east tow line. Dredge material is silt with  Increasing amounts of Clay Biological specimes light  consisting of Drue Crabs, increasing suggessum weed. Garbage  Samples include: line, net, rope, Durlop Dags, plastic, plastic  spools, Clothing, Cloth and other assorted trash All equipme  And Screening infact and fully functional.  Laura Morse replaced Sursan Chan as turtle observer.
There were no incidents involving encangered species.
Species # of Sightings # of Animals Comments  Orsions truncates 2 Le Bottlenose dolphins
Observer(s) On Duty: Charlotte Cats Laura Morse

Dredge MERMENTAU - Sabine Pass, TX USACE, Galveston District

Date: 6/24/97 Loads: 2009-2049
Area(s) Worked: Section 8, Stations 51000-10+000 1 10+000
Weather Conditions: Cloudy, Calm to Sly wind 5 Kts, Seas Calm to 3
Range of H <sub>2</sub> O Temperature: Surface Below Mid-Depth 39°C
Condition of all screening apparatus:
Are there incidents involving endangered or protected species? Yes No_\(
Comments (type of material being dredged, biological specimens, etc.):
Dredge makrial is silt with some Clay Biological Specimens
light consisting of Sargassum weed, Cutlass fish, Gartage
light Consisting of Sargassum weed, Cutlass fish, Gartage Samples light Consisting of; line, rope, net, Plastic, wood,
wire, Cloth, Clothing and other assocked trash. All equipment and screening infact and fully functional.
equipment and Screening intact and tully functional.
The second of th
There were no incidents involving endangered species.
Beggn working Station 7 inafternoon
Theon world said
Deider Wesst Commons
Species # of Sightings # of Animals Comments
Species # of Sightings # of Animals Comments  Stops truncatus 2 4 Post-Henose Jolphia
Observer(s) On Duty: Charlotte. Cates, Laura Morse

Dredge MERMENTAU - Sabire Beauty USACE, Galveston District	
DAILY REPORT	
2000	
1,25,97 Loads: 2250 - 2289	
105000 to 155000	S20: A.
Conditions. Cloudy Seas 1-3ff, 5-N, 5-20K, Depth. Depth. Below Mid-Depth.	20
of all screening apparatus:	
of all screening apparatus. 20000	
reincidents involving endangered or protected species? Yes	
of material being dredged, biological specimens, etc.):	
Drady stations Stow to town. Moderical si	17 w Somethy
Biolosical specimens 1,54 consisting of Songusumweed, cut	I war oldh clothen
Carbage light - consisting of line riope, nut play the	J
and offen assorted treat.  All equiptment & screening intact and fully fund	ronal
All equipment q screening 1700000	
Moincidences officility endargend species	
Bridge Watch Summary	
# of Sightings # of Animals Comments	156. 6
for Signings # of Alliniais Comments  From Lynnautro 6 35 Inout, assoc	M JAMAD
Daniel Alexander	
or(s) On Duty. Charlotte Cates, Laura Hose	

		USACE, Gal	veston District	Ma, TX		
		DAILY	REPORT			
76 197	I oads:	2290	- 2329	Ý		
d: Jo to	108	15 1000				
ed:Jo to	nd_light	Evariable,	Seas 2-3 (	t, Plyg.	Honory	
Temperature:	Surface	Excellent	Below	Mid-Depth	30 C	
is an screening ap	paratus					
	_	_	,			
in dents involvi		-	-	Yes		<b>1</b>
of material	being dredge	d, biological	specimens, et	c.): Observe		
erver (ates	at 080c	$_{0}$ hrs. $_{0}$	Material Dei	ng Oredge	d nos s	
egg casings, 1	knobbad i	uhelle. 1	oragical so	emples vie norte. 1 A	re light	and in
ed.						
Sol		141	piblic spec	cimens w	ere Hos	n, clo
The state of the s						5.64
T	here wer	e no	incredents	•		
Π	here wei	e no	incredents			
T	here wer	re no	incrdents			
T	here wer	re no	incrdents			
	here wer	e no	incrdents			
	here wer	e no	incredents			
	here wer	e po	incrdents			
	here wer	e no	incrdents			
	here wer					
		Bridge Wa	tch Summary			
			tch Summary	seen thro	ughou!	
	Sightings #	Bridge Wa	tch Summary		ughout	

# USACE, Galveston Distri DAILY REPORT 27,97 Londs: 2330 -2355 10 to00 - 15 to00 ditions. Seas 1-2ft, Ptly cloudy, Wind S. and behild Temperature: Surface 30°C Below Mid-Depth all screening apparatus: All opporulus in excellent condition cidents involving endangered or protected species? time of material being dredged, biological specimens, etc.): The vessel desired From ~ 0830 -0130 hrs for supplies. Material being dredged was mainly silt. was very light and consisted of loyeter shell and seawed. Trash was also observed in inflow screening. There were no incidents. Bridge Watch Summary # of Sightings # of Animals Comments (s) On Duty. Morse/Bahadur

Dredge MERMENIAU . Sabing

DATE: 6128/97	LOADS: 2356	- 2389	
Area(s) Worked: 10	1000 20	1000	
Weather Conditions	: Wind wsw 5-10h	ts, Sans 1-2 f	I. PHu cloude
Range of H2O Temp:	Surface <b>30 °C</b>	Below	Mid-dpth
Condition of all so excellent condition	reening, annaratu		
Are there incidents	involuina		
Are there incidents YesNo_X	involving endan	gered or pro	otected species?
Comments (type of metc): Material being	CHECKBECK WAS INC	and silt	
one A Hantic Cutti	ess fish.	included on	y served and
Local, There was a	slight increase in	n abiotic so	mpler observed
There were	no incidents.		
Trash consisted el	Plastics, rope, clidhi	ry line fishing.	gearete
			:
	Bridge Watch Su	ımmary	
Species # o	f Sightings # o	of Animals	Comments
			:
	,		
Observers On Duty:_	Morse Bah	odur	

Dredge Mermentau / Sabine-Naches Waterway
USACE, Galveston District

#### **WEEKLY SUMMARY**

Dates: 6 / 22/97 - 6/28 /97 Loads: 2131 - 2389
Range of H <sub>2</sub> O Temperature: Surface 27°-30°C Below Mid-Depth 27°-30°C
Area(s) Worked: Sections 6-8, Stations 5 +000 20+000
Are there incidents involving endangered or protected species? Yes No
Comments: Material being dredaged is silt with some clay
Biological specimen accumulation in inflow screening was light and
included due crobs, Sorgassum weed, 1 Athantic cutters fish, ijuvenile shork,
whelk each cases and aster shells
trush items included several large nets, line, rope, clothing,
Screens gie in good condition
Observer bahadus replaced observer lates at 0,800 hrs on 6/26/97
Shrimp boats have been noted operating in the channel and its
vacinity '
There were no incidents
Bridge Watch Summary
Species # of Sightings # of Animals Comments
It MA MA Tuisiops seen repeatedly or during the day, May
the multiple sightings of the same animals.
Animals have operated within 50 to approached
w/in 50 ft. of diedge. Also sighted ossociated  with shims boat activity.
Observers On Duty: Cates / Moise / Bakadur
res grit Res

DATE: $6129/97$ LOADS: $2390$ $-2413$
Area(s) Worked: 15tooo 20tooo
Weather Conditions: Wind S8-14kts, Seas 1-3ft, Phychoudy
Range of H2O Temp: Surface 30°C Below Mid-dpth
Condition of all screening apparatus: Al apperatus is in
SACRIPIT CONCLITO
Are there incidents involving endangered or protected species? YesNo
Comments (type of motorial bain 1 )
etc): Material being dredged, biological specimens etc): Materia king dredged was silt with light clay.  Biglogical Specimen accumulation continued to be light and
consisted entirely of songessum and whele eag cases
mesh, line, rupe, cloth, scrappe to and assorted plastics
THERE MEDE MOT THAT
- THERE VOLKE TOO INCLUENTY.
Bridge Watch Summary
Species # of Sightings # of Animals Comments
6 6
Observers On Duty: Bahalur Morse

DATE: 66230/57 LOADS: 2414 - 2434
Area(s) Worked: 15t000 20t000
Weather Conditions: Seas 1-3ft, S Winel 8-15kts, Pfly Clark
Range of H2O Temp: Surface 30°C Below Mid-dpth
Condition of all screening apparatus: All apparatus is in excellent condition.
Are there incidents involving endangered or protected species Yes No
Comments (type of material being dredged biological specimens etc): Material being creaced was silt with light clay.  Biological specimens were extremely light—only one whelk eag case  Abiolic, specimens, nets, live plastic and netal, cloth continue to be present!
THERE WERE NO INCIDENTS
Bridge Watch Summary  Species # of Sightings # of Animals Comments
Observers On Duty: Morse Bakedur

DATE: <u>41</u> / <u>44</u> LOADS: <u>2435 - 2450</u>
Area(s) Worked: 15+000
Weather Conditions: Seas 1-2ft, Swird 5-10kts, Phy Clouds
Range of H2O Temp: Surface 30-31°C Below Mid-dpth_
Condition of all screening apparatus: Excellent.
Are there incidents involving endangered or protected species? Yes No
Comments (type of material being dredged, biological specimens etc): Material Derno dredged was silt with clay
and ouster shells.
Assorbed trush was also noted in screening
THERE WERE NO INCIDENTS.
Bridge Watch Summary
Species # of Sightings # of Animals Comments
Observers On Duty: Bakadur Morse

DATE: 72/97 LOADS: 2451 - 2467
Area(s) Worked: 15 tooo - 46 too 0
Weather Conditions: Sessi-2ft, Wind-wrighte lokes, Mostly Supre
Range of H2O Temp: Surface 30-31°C Below Mid-dpth
Condition of all screening apparatus: Excellent
Are there incidents involving endangered or protected species? Yes NoX_
Comments (type of material being dredged, biological specimens etc): Material toing dredged was silt with Clay holds Seen in
fourtail speaners were, larnel branch shells, I blue creb and
Wood. Abiotic specimens were trost, plustic, rope most and surp metal and
( )
There were no inorbants
Bridge Watch Summary
Species # of Sightings # of Animals Comments
Observers On Duty: Bahaduv/Morso

DATE: 724/	<u>47</u> LOADS:	2494 -	- 252 43
Area(s) Wor	ked: 10 +000	- 15 tooo	
Weather Con	aditions: Light Seutherly M	ind Seas-261,	Clear Skies
Range of H2	10 Temp: Surface <u>3</u> シ	-310C Below	w Mid-dpth
	of all screening appa		
Are there is	ncidents involving e	ndangered or p	protected species?
YesNo			
Commonts (t.			
ecc). Ivakalal	ype of material being	117.	
loyorm Vesse			ring referrs to sour.
Abrolice	specimens were vocal	branch shells	th and accorded to the
THEN	TE MENTE NO	TILLER	THE DESCRIPTION HOSTA
	- L VULKE NO	1-1/	
	Bridge Wato	ch Summary	
Species	# of Sightings		
<u>Tt</u>	Continuous on	nd varied	No unusual
			<u>Ye havior</u>
	: <b>)</b> .	,	
Observers On	Duty: Bahaclar	Morse	

DATE: <u>725/9</u>	7 LOADS: 2524 - 2562	
Area(s) Work	ed: 15 to00 - 20 to00	:
Weather Cond	itions: Calm neather - became, o we cast, lightm	in 461 saus NE Wind zolets
	21 0	Mid-dpth
Condition of condition	all screening apparatus: All affor	atus in excellent
Are there inc YesNo	idents involving endangered or pro	otected species?
Material	Andrea balla replaced Laura Morse at being dredged, biology being dredged was sand silt and classocimens by lucked 5 Atlantic cuttoss	4. 0700 bis.
Apichic	samples consisted of assortal trash.	
There v	ere no incidents.	
	Bridge Watch Summary	
Species	# of Sightings # of Animals	Comments
Tt	Continuous	No unyous behaviour roley surfeein
		polecy.
Observers On	Duty: Morse Bahader, Balla	

## ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Mermentau / Sabine-Naches Waterway
USACE, Galveston District

### **WEEKLY SUMMARY**

Dates: $6/29/97 - 1/5/97$ Loads: $2390 - 2562$
Range of H <sub>2</sub> O Temperature: Surface 30-31 °C Below Mid-Depth
Asea(s) Worked: 10 tooo 20 tooo
Are there incidents involving endangered or protected species? YesNo
Comments: Material being diedged was siltard clay  Observer Baila replaced observer Moise at 4 0700 his. on
Observer Batta replaced observer Morse at 4 0700 hrs. on
7/5/97.
Biological samples observed in inflow screening included I tenobled whelk
whele egg cases lamellibrarch shell framments, socientary polychaete norms, in the crab, 8 Allantic cutiess fish and Engassum need
Ober sharms and was supposed to the sharm of the sharms and the sharms and the sharms and the sharms and the sharms are the sharms are the sharp are t
Other specimens were plastic, metal, cloth, wood fishing returdine
Vessel docked from 2306 hrs to 40400 hrs on 7/3 and 7/4
espectively to facilitate repairs to the stad draggim.
There were no incidents involving endangered species.
7 0
Bridge Watch Summary
Species # of Sightings # of Animals Comments
It Continuous and Volial. Tursions activity is being observed almost
continuously during the day, No unusual
le houser voted und consisted entirely of
slow rolling and bow riding
3
Observers On Duty: Morse/Bulla/Bahachar

# ENDANGERED SPECIES OBSERVER PROGRAM Dredge MERMENTAU - Sabine Pass,Tx USACE, Galveston District

DATE: <u>416</u> / <u>97</u> LOADS: <u>2563</u> — 25	799
Area(s) Worked: 10 +000 -20100	
Weather Conditions: Seas aft, Pily Cloudy, Wirel vo	riable 6-15 lets
Range of H2O Temp: Surface 30 Below M	lid-doth
Condition of all screening apparatus: Al apparatus:	atus is i'n
Are there incidents involving endangered or pro	tected species?
resNo	
molluscan Canellibrani 11 and 0135 he pool shells	ical specimens  Cay  I ass fish and  mooring lines
plastic scraps of hetal dethand word out	one dether
THERE WERE NO INCIDENTS	
Bridge Watch Summary	
Species # of Sightings # of Animals	
Tt Voricus and continuous	Splashing Slowrolling
Observers On Duty: Bella Barbader	
on such that the following	

# ENDANGERED SPECIES OBSERVER PROGRAM Dredge MERMENTAU - Sabine Pass,Tx USACE, Galveston District

Area(s) Worked: 15 tooc _ 20 tooc
Weather Conditions: Wing SSE 15 kts, Sees 3-461, Ply double skies
Range of H2O Temp: Surface 29-30°C Below Mid-dpth
Condition of all screening apparatus: All screening in excellent
Are there incidents involving endangered or protected species?
YesNo
Comments (type of material being dredged, biological specimens etc): Material terms discover was silt and Ckill the screening and specimens in include screening and steel of veel 1
Abielic trash continues to be seen in screening also.
Bridge Watch Summary
Species # of Sightings # of Animals Comments
11 52 Kneel between ranging for slow relling to sumping.
slew is line to jumping, believes of problems of the control of th
Observers On Duty: Bahacin Billa

## ENDANGERED SPECIES OBSERVER PROGRAM Dredge <u>MERMENTAU</u> - Sabine Pass,Tx USACE, Galveston District

DATE: 7/8/	97 LOADS: 2638 - 200 2664	
Area(s) Wor	ked: 40 to00 -46 100 0	
Weather Con	ditions: Seas 4ft, SSE Wind 15-20tcts, Overcast	
Range of H20	O Temp: Surface 29-32°C Below Mid-dpth	
Condition of excellent con	fall screening apparatus: All screening is in	
Are there in Yes No_	ncidents involving endangered or protected s	pecies?
Jamellibronch	pe of material being dredged, biological special bring dredged is silt with light clay.  The specimens were client and sedentary polychostell traggreents and Memertean worms.  Samples in screening is light and consisted mainly.	uetes,
	ure no incidents	
There is	RIE 110 MCIAENTY	
	Bridge Watch Summary	
Species	# of Sightings # of Animals Comments	2
T. Huncochus	Continuous voried Bon india	
Observers On	Duty: Bahadur / Bolla	

## ENDANGERD SPECIES OBSERVER PROGRAMMED PASSITEXAS Gulf Coast Trailing Co. / USACE, GALVESTON DISTRICT

7/9/97 Loads: $2665 - 2690$	
Worked: 40 tocc 46 tocc	
Conditions: Sec. 3-5 Ft, Wind WSW/SE 15-2016ts, Pt/y charly decring	ble
of H <sub>2</sub> O Temperature: Surface 29 - 31 ° C Below Mid-Depth	
ion of all screening apparatus: All sciencing is in excellent touch	Hon
	1
here incidents involving endangered or protected species? Yes N	10
(type of material being dredged, biological specimens, etc.): Malerial being	ni dialogo
with some light class	,
Goodgrad sparment in helsel reather	ch (ideased alive)
ne crobs (6. sopidus) polychartes (Erranhia and recentoria) 1	enerigan
15 I intact whelk and lamellibranch shell from ments	> (1)
Abiotic samples remain light and i	relucke, clett,
and scrap netal. There were no incidents	
Bridge Watch Summary	
# of Sightings # of Animals Comments	i
realus 2 12-26 Gne group iched an bon on	
with the diedge for Something of	is observed
$\rho_{\rm c} = 100$	
on Duty: Bahadur Balk	

De 7/10/97 Loads: 2691 - 2715
Appen (15) Worked: 40+000 46+600
When Conditions: Seas 2-3ft, Wind SSW 12-18 tets, Ptly cloudy steres
Range of H <sub>2</sub> O Temperature: Surface 29-31 Below Mid-Depth
Continion of all screening apparatus: All apparatus is in 211. Hent condition
There incidents involving endangered or protected species? Yes No
The state of material being dredged, biological specimens, etc.)
Material being diedged, biological specimens, etc.):  Material being diedged was silt with light Clay.
Biological specimens were sensitive and essent polyclinetes Nemertean
Biological specimens were sent atomy and entent polytuetes, Nemertean sus melluscon (bivulve and gashajaré) shells, I cat fish and sangassum. I blue signification
A biotic specimens were plastic line and asserted tissh
Observer Balla sighted as underthired talk off the part side at 1615 his
vicinity of may #22. It surfaced (shell then head) for a
and immediately resupressed
the to very turbed (ossociated with smillion) who conditions and
-3ft. in length and the exact sighting location was 29°31.2 V
112 93 445 N
There were no incidents.
Bridge Watch Summary
# of Sightings # of Animals Comments
Various Sleve is ling nearly associated for miling.
(b) See alus
On Duty: Ballo
$m{\ell}$

7/11/97 Loads: 2716 -	-2741
40 +000 - 46 +000	
Conditions: Sees 2-4A, SE/SW Winds	6-18 lds. Clearskies becoming 40% overcost
of H <sub>2</sub> O Temperature: Surface 31-32°C	Below Mid-Depth
con of all screening apparatus: All screening	is in excellent condition
incidents involving endangered or protecte	
gype of material being dredged, biological s	pecimens, etc.): Material loing dredood was
J	Storboard screen had to
and every bod because of heavy	
when dragtender Mortinez and	Note Nelson vareed to flush the
mantau provides excellent creu	at the end of each bad, once again
THE THE PROPERTY CIEW	Biological specimens included
rean norms, errant and sadentury	polychaetes, 1 blue crab, light sorgassym
lamellibranch and gostropod molluscar	i shells.
	Abiotic samples included
(see above), fuine, small preces of	mesh, scrop metal and small pieces
	There were no incidents.
Bridge Watch	•
# of Sightings # of Animals C	Comments
	$\Lambda$ , $\Lambda_0$ , $\Lambda_0$ , $\Lambda_1$ , $\Lambda_1$ , $\Lambda_2$ , $\Lambda_3$
tiuncatus 6 31	Animals sighted throughout the day and
	behaviors included bou miding of freighters
	3,002,030
	behaviors included bon miding of freighters to slow relling independently of and in

Date: 7 / 12 / Area(s) Worked: 4	97 Lo	ads: 274	-2767
Area(s) Worked: 4	D +000	-46 1000	
Weather Conditions:	Seas 3ft,	Wind SW 6.	-12 lets, PHy Cloudy-Air temp to 105°F
Range of H <sub>2</sub> O Temper	rature: Surface	31-32	Below Mid-Depth
Condition of all screen	ning apparatus:_	All screening	a apparatus is in excellent condition
			· · · · · · · · · · · · · · · · · · ·
Areithere incidents in	_	- "	
Comments (type of ma	aterial being dre	edged, biologica	d specimens, etc.):
Material	Deing cliedy	ged was	sift and clare
bidagical malliage	specimens of	consisted of	erront and sedentary polychaetes, Nemerteo ) shells, Sugassum, It hue crabs and
Fish.	n Cowaire on	a gastiction	I stell, saigassum, knue crais and
	Denimons (0)	nsistant of iss	sorted trash. Aft storbourd lander
fill fill of	dense clare	balls at	he end of each load. Rinsing by
enters is	removing n	most of it	
There	vere to inci	dents	
		<u> </u>	
		Bridge Wa	ttch Summary
Sacries	# of Sightings	# of Animals	Comments
45.46	3	10 t l	Very active ton piding of Generaters.
			Animals rejeatedly breaching and
		-	league high 6-8(t) outside of the
			uater.
	Balla/Bal	hodur.	
Observer(s) On Duty:_	Dalla / Dal	nacur.	

## ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Mermentau / Sabine-Naches Waterway
USACE, Galveston District

### **WEEKLY SUMMARY**

Dates: $\frac{7}{16}$ , $\frac{6}{197}$ - $\frac{7}{12}$ , $\frac{12}{197}$ Loads: $\frac{2563-2767}{197}$
Range of H <sub>2</sub> O Temperature: Surface 29-32°C Below Mid-Depth
Area(s) Worked: Stations 10 to00 _ 20 to00 & 40 to00 _ 46 to00
there incidents involving endangered or protected species? YesNoX
dredging of section 5 began on 7/8/97.
Bibliogral specimens included blue crobs somessum polichaete usons
Bibliogral specimens included blue crabs, sangassum polychaete norms
An unidentified turtle was signified on 7/10/97 at 1615 his at
11 Sition 29 31 2 N and 93 44 8 W. High turbidety lassociated with
and low and very short surface time made a specific I.D. impossible.
Clay confinues to purk up in the starboard aft greening Crow
polecution has prevented this build up from hairs unmany bla that a an
sing of screens by drawtenders introduces they build up
There were no incidents involving enclaragered species.
Bridge Watch Summary  Species # of Sightings # of Animals Comments
1. trencatus Animals are being sighted throughout the
day mostly be riding of Gerapters in channel
To quantify sightings would be mislewding since
repealed sightings of resident pods may
he occurring
Observers On Duty: KORY BAHADUR / ANOREA BALLA

the mark	113			168 - 2793
Area(s) Wor	rked:	40,000 -	- 46ta00	
Weather Co	nditions:	Seas 3 A, N	rind SW o-	iolets. Phychould skies
Range of H <sub>2</sub>	O Tempe	erature: Surface	29-31°C	Below Mid-Depth
				is in excellent anditron
		·		
· · · · · · · · · · · · · · · · · · ·				
Are there in	icidents i	nvolving endan	gered or prote	cted species? Yes No
<b>Y</b> .sc				
Comments (t				al specimens, etc.):
	Moter P. 1	ial being o	redged m	os silt with some heavy clay.
	Diolog	ical specimen	rad Acres	folychaetes (erront and sedentary), nemerted
umens	lomolli	1 juvenile	lea alum,	polychaetes (erront and sectentary), nemerted
	sum.	Mone in and ga	shopour she	ls, 2 Blue crobs and trave amounts
		sombles consi	sted of fishi	ing pet, line and assorted trash.
	<del>• • • • • • • • • • • • • • • • • • • </del>		T. V. V.	75 101, 110 110 110 110 110 110 110 110 11
	There v	vere no ir	icidents.	
34				
k.				· · · · · · · · · · · · · · · · · · ·
			· · · · · · · · · · · · · · · · · · ·	
	***************************************			
			Bridge Wa	atch Summary
Seecies		# of Sightings	_	Comments
T. E		2	10	Porpoising pust dredge while at the dump
				Porpoising past dredge while at the dump and bon riding a Greighter.
				4
	)» D	Bahadur/B	all in	
CONCEVERS)	יו המנא:־	Variable   L	711U	

Date: 7/14/97 Loads: 2794-2819  Area(s) Worked: Stations 40+000 - 46+000  Weather Conditions: See defails below - Mostly - 2ft Seas, Sw wind 5 kts, Ptly cloudy
Weather Conditions: See defails below - Mostly - 2ft Sees, SW Wind 5 kts, Pfly cloudy
Range of H <sub>2</sub> O Temperature: Surface 29-32°C Below Mid-Depth
Condition of all screening apparatus: All apporatus is in excellent condition
Are there incidents involving endangered or protected species? Yes No
Comments (type of material being dredged, biological specimens, etc.):
Riplantal specimens observed in inflow screening were 2
Material being dredged was silt and clay Biological specimens observed in inflow screening were 2 Blue crabs, errant and sedentary polychoetes, Nemertean vorms, shells and
trace amounts of Sorgassum.
trace amounts of Sorgassum.  Abiotic specimens included assorted light trosh and fishing nets
At 1534 hrs. severe squall activity resulted in reavy rain,
botch winds and intense lightening activity. Waves never became
more than 4ft. The vessel's generator thice tripped off due
to lightning, Power was restored both times.
Lightning kept the observers off the metallic clerles for
load #5 2811 and 2813.
There were no incidents
There vere no melberns
Bridge Watch Summary
Species # of Sightings # of Animals Comments
Observer(s) On Duty: Balla / Bahaduv

### DAILY REPORT

Date: 7, 15, 97 Loads: 2820 -2834	
Area(s) Worked: Stations 40 to00 - 46 to00	
Weather Conditions: Seas colm-2ft, NNE Wind light to 6kts, Plly cloudy skres	
Range of H <sub>2</sub> O Temperature: Surface 29-32°C Below Mid-Depth	
Condition of all screening apparatus: All apparatus is in excellent condition.	
Ans there incidents involving endangered or protected species? YesNo	
Vessel reased dredging from 0614 hrs to 1538 hrs. to ge to the	
tack for fuel and mater.	_
Material being dredged was silt and truce amounts of clay.	_
biological specimens were light and included Nemertean worms	
haeles (errantia and sedentaria) lomellibrarch and gastropod molluscan shell	_
ments and trace amounts of Sorgessum.	_
Monbiological material occumulation in inflow screening was incredibly and consisted of minute amounts of plastic debris.	
There were no incidents	
	_
	_
	_
	_
Daid at Wassh Community	
Bridge Watch Summary Species # of Sightings # of Animals Comments	
Horsightings wor Annials Comments  No Sightings.	
2111011	
Observer(s) On Duty: Buhadur / Balla	

W1.

Date: 7, 16, 97 Loads: 2835 - 2858
Area(s) Worked: Stations 40+000 _ 46+000
Weather Conditions: Clear Skies, Seas - Beaufort Scale 3, Wind while to lokes
Range of H <sub>2</sub> O Temperature: Surface 29 - 31 °C Below Mid-Depth
Condition of all screening apparatus: All opporatus is in excellent condition
re there incidents involving endangered or protected species? Yes No
Constants (type of material being dredged, biological specimens, etc.):
Field engineer and mate reported seeing. A probable kemp's ridley turtle
Sorrossum drift. The approximate shell width was 1/2-2ft."
Malerial being diedoped was silt.
Biological specimens were I lead cottish polychoetes (errentio and
aria), Remertean wims, lamellibranch and gastropod molluscan shells, 1
and light Songassium.
Abiotic debris consisted of light, assorted trash
There were no incidents
Bridge Watch Summary
# of Sightings # of Animals Comments
Krillay!! See above text.
0 \ (0.1)
Observer(s) On Duty: Bihadur/Bolla

Bridge Watch Summary  # of Sightings # of Animals Comments  The vere no incidents  # of Sightings # of Animals  # Of Sightings # of	Page: 7,17,97 Loads:_	
Bridge Watch Summary  # of Sightings # of Animals Comments  The re were no incidents  # of Sightings # of Animals Comments  # of Sightings # of An		
Bridge Watch Summary  # of Sightings # of Animals  The vere no incidents  # of Sightings # of Animals    Bridge Watch Summary   Bridge Animals   Comments		
# of Sightings # of Animals  There were no incidents involving endangered or protected species? Yes No X  Bridge Watch Summary  # of Sightings # of Animals Comments  # of Sightings # of Animals Comments  # of Fightings # o	Temperature: Surface	Below Mid-Depth
Bridge Watch Summary  # of Sightings # of Animals Commens # of Sig	<b>Condition</b> of all screening apparatus: <u>All c</u>	appointus is in excellent condition
Bridge Watch Summary  # of Sightings # of Animals Commens # of Sig	( )	
Bridge Watch Summary  # of Sightings # of Animals  The 1 Bow riding partials # of Animals  # of Sightings # of Animals    Bow riding partials   Partials      Bow riding partials	there incidents involving endangered	d or protected species? Yes No_X_
Bridge Watch Summary  # of Sightings # of Animals  The 1 Bow riding partials # of Animals  # of Sightings # of Animals    Bow riding partials   Partials      Bow riding partials	Comments (type of material being dredged	, biological specimens, etc.): <u>Dredaing operations</u>
Bridge Watch Summary  # of Sightings # of Animals Comments  # of Sight	were suspended from 0,00-	-0624 hrs to repair a fuel Teak.
Bridge Watch Summary  # of Sightings # of Animals Comments  # of Sightings # of Animals Comments    Bounding / Porfoising on Freighber .   A) Flyto his one animal was observed by about 20 Ct off slbd. bearn .	Material being diedopal	was silt.
Assorted trash nois also observed in inflow screening.  There were no incidents.  Bridge Watch Summary  # of Sightings # of Animals Comments  Te 2 6 Bow niding /perpossing on (rerighter.  A) 1940 his. one animal was observed jumping 8-10 ft out of valer repeated by about 20 (the off slow), beam.	lindasical coecimens we	re erront and sedentary polychaetes. Nemertea
Bridge Watch Summary  # of Sightings # of Animals Comments  Te 2 6 Bow niding / perfersing on (reighter.  A) 1940 his one animal was observed  Jumping 8-10 ft out of water repeated by about 20 (the off stoot, beam.	sms lamellibranch and bivalve	e shells and trace amounts of Sorgassum.
Bridge Watch Summary  # of Sightings # of Animals Comments  Tt 2 b Bow riding /porposing on freighter.  At 1940 his one animal was observed  Jumping 8-10 ft out of water repeated by about 20 Ct off stod. beam.		
# of Sightings # of Animals Comments    Pow riding / porpossing on freighter.     At 1940 his. one canimal was observed     Jumping 8-10ft out of water repeated by about 20 ft off stbd. beam.	There were no incid	lents.
# of Sightings # of Animals Comments    Pow riding / porpossing on freighter.     At 1940 his. one canimal was observed     Jumping 8-10ft out of water repeated by about 20 ft off stbd. beam.		
# of Sightings # of Animals Comments    Pow riding / porpossing on freighter.     At 1940 his. one canimal was observed     Jumping 8-10ft out of water repeated by about 20 ft off stod. beam.		<u>-</u>
# of Sightings # of Animals Comments    Pow riding / porpossing on freighter.     At 1940 his. one canimal was observed     Jumping 8-10ft out of water repeated by about 20 ft off stod. beam.		
# of Sightings # of Animals Comments    Pow riding / porpossing on freighter.     At 1940 his. one canimal was observed     Jumping 8-10ft out of water repeated by about 20 ft off stbd. beam.		
# of Sightings # of Animals Comments  Bow riding / porpossing on freighter.  At 1940 his one canimal was observed  jumping 8-10ft out of water regeated by about 20 ft off stbd. beam.		
# of Sightings # of Animals Comments  Bow riding / porpossing on freighter.  At 1940 his one canimal was observed  jumping 8-10ft out of water regeated by about 20 ft off stbd. beam.		
# of Sightings # of Animals Comments  Bow riding / porpossing on freighter.  At 1940 his one canimal was observed  jumping 8-10ft out of water regeated by about 20 ft off stbd. beam.		
# of Sightings # of Animals Comments  Bow riding / porpossing on freighter.  At 1940 his one canimal was observed  jumping 8-10ft out of water regeated by about 20 ft off stbd. beam.		
# of Sightings # of Animals Comments  Bow riding / porpossing on freighter.  At 1940 his one canimal was observed  jumping 8-10ft out of water regeated by about 20 ft off stbd. beam.		
# of Sightings # of Animals Comments  Bow riding / porpossing on freighter.  At 1940 his one canimal was observed  jumping 8-10ft out of water regeated by about 20 ft off stbd. beam.		
# of Sightings # of Animals Comments  Bow riding / porpossing on freighter.  At 1940 his one canimal was observed  jumping 8-10ft out of water regeated by about 20 ft off stbd. beam.		
Bon riding /porpoising on freighter.  At 1940 his one cenimal was observed  jumping 8-10 ft out of nater repeated by  about 20 Ct off stbd. beam.		·
At 1940 his one animal was observed  jumping 8-10 ft out of water repeated by about 20 ft off stbd. beam.	# of Sightings # of	
Jumping 8-10 ft out of nater repeated by about 20 ft off slbd. beam.	<u>9</u> 2	
about 20 ft off slbd. beam.		At 1940 his one animal was observed
$R = R \cdot $	± 5 3 4 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	about 20 ft off stod. Deam.
ANTONIO CON TO TO TO ANTONIO CONTRATO DE C	Behodur / Balla	

Date:	7,18	197 Lo	ads: 2880-	<u> </u>	
Area(s)	Worked:	Stations 4	0 +000 - L	-6 1000	
W/ac ther	Conditions	. Seas 2-3ft	- Wind Si	SW 15 kts.	Ptly cloudy becoming clear
Range o	of H₂O Temp	perature: Surface	31°C	E	Below Mid-Depth Excellent condition
Condinic	n of all scre	ening apparatus:	All apparate	is is in e	excellent condition
		involving endan			Yes NoX
Comme	ats (type of i	material being dre	dged, biologica	specimens, et	c.):
	Muterial	being dradaged	$\frac{1}{1}$	and some	hall locale Tool
	Biologica	of specimens	challe Amall	hrands &	(Collinactes sapulas) Errant estropad mollusc) Nemertean
) (	such ravy	race amounts	She is Comen	TO US	R HOPAX MOTUSE), TOUTHER FEOT
		samples vuere			h
		were no in	4.7	offer hus	.0,
	, mee	VOCIC 110 11	ic i pe i i b		
	<del></del>				
					-
1.1					
			Bridge Wa	tch Summary	
		# of Sightings	# of Animals	Comments	
	0				
				**************************************	
		0 1 1 10	Ni .		
Graphie.	r(s) On Duty	: Bahadur/Ba	zlla		
<b>.</b>		•			

paie: 7/F	1 197 Loads: 2905 - 2930
rea(s) Worked	: Stations 40t000 46t000
	ions: Seas < 2 ft, Variable wind 5-15 lets, Mostly clear steies
lange of H <sub>2</sub> O T	emperature: Surface 29-30°C Below Mid-Depth
condition of all	screening apparatus: All apparatus is in excellent condition
reithere incid	ents involving endangered or protected species? Yes No
	of material being dredged, biological specimens, etc.):
Make	erral being dradged was silt with some clay
Biolo	grad specimens were polychaetes that lamellibranch and gastropol
sels Mem	pertean norms and light somessum.
	forted trosh was also noted in screens.
The	ere were no incidents.
	Bridge Watch Summary
eccies	# of Sightings # of Animals Comments
+1	<u> </u>
MECE:	
	Duty: Bahadur/Balla

## ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Mermentau / Sabine-Naches Waterway USACE, Galveston District

### **WEEKLY SUMMARY**

Plates: $\frac{F_{1}}{13} \frac{9F_{-}}{9F_{-}} = \frac{F_{1}}{9} \frac{9F_{-}}{9F_{-}} = \frac{2768 - 2930}{19}$
Range of H <sub>2</sub> O Temperature: Surface 29-32°C Relow Mid-Depth
Area(s) Worked: Stations 40 too0 - 46 too0
Are there incidents involving endangered or protected species? YesNo
Comments: Material being dredoed was silt and clay
Biological specimens consisted of Sargassum. Erront and Sedentary
Lauchaetes, l'amellibranch and aastropad shells, 6 Blue crabs, 2 Stingrous, 1
Severe equal activity on 7/14/97 resulted in temporary loss of
airconditioning. On 7/15/97 dredging was suspended from 0614 hrs to
1338 hrs for fuelling.
On 7/16/97 the field engineer and male reported seeing what they
thought was a kemp's ridley sea turtle. See relevant daily report for
seems of signling.
Predaing operations were suspended on 7/17/97 to facilitate
Repairs to a fuel leak from 0100 - 0624 hrs.
There were no incidents.
Bridge Watch Summary
Species # of Sightings # of Animals Comments
Animals one sighted throughout the day mostly
bow fiding of frenchers in channel. Some
forfusing and break hing behavior use also observed.
U V DE I VEU
Observers On Duty: BAHADUR/BALLA

7/20/97 Loads: 2931 - 2955
Worked: Stutions 40 to00 - 46 to00
ther Conditions: Seas 22ft, Winds SSW 10 lets, Pfly claudy steres
Below Mid-Depth
mison of all screening apparatus: All apporatus is in excellent condition
of an screening apparatus.
Anothere incidents involving endangered or protected species? Yes No
(type of material being dredged, biological specimens, etc.): As of 1214 hrs. all for chains on the lost Side turtle deflector device (TDD) have been
loose and are non-operational
Material being dredged was silt
Biological specimens were polychaetes, molluscan shells, Nemertean
ins , I Southern Stirulau and trace sorassum.
Assorted trash was also observed in screens.
There were no incidents.
Bridge Watch Summary
# of Sightings # of Animals Comments
$0 \times 10 \times 0$
Proper(s) On Duty: Balla/Bahadur

Date: 7,21,97 Loads: 2956 -2982	
Area(s) Worked: Stations 40 too - 46 too	
Weather Conditions: Sees 22ft, SSW Wind 8kts, Ptly Cloudy.	
Range of H <sub>2</sub> O Temperature: Surface $29-31^{\circ}$ C Below Mid-Dep	oth
Condition of all screening apparatus: All apporatus is in excellent a	onclition
\$1. \$1.	
Are there incidents involving endangered or protected species? Yes	No_X
Comments (type of material being dredged, biological specimens, etc.):	
Moterial being dredged was silt	
Riological speramens were Nemertean norms Poly Century), lome libranch and gastropod molluscan shells a	ichaetes (errant ond
contone), lome 11. Pronch and gastropod mol tuscon shells a	not trace amound
Light ossortal trush was also observed in screens	
There were no incidents	<u> </u>
No chains on bot TDD	
73 M	
Bridge Watch Summary	
# of Sightings # of Animals Comments  Continuous, reseated sightings throughout t	he day
with behaviors ranging from slow rolling	lo bourissino
and breaching.	
01) 101 1	
Charver(s) On Duty: Balla/Bahadur	4

Date: 7/22 /97 Loads: 2983-3008
Area(s) Worked: Stations 40tow - 46tooo
Weather Conditions: Sous 4ft, Wind SSW 15 tets, Pfly cloudy
Reside of H.O Temperature: Surface 29-32°C Below Mid-Depth
condition of all screening apparatus: All apporatus is in excellent condition
at State of all Scienting apparatus.
there incidents involving endangered or protected species? Yes No
Comments (type of material being dredged, biological specimens, etc.):
Material being dredged was silt.
Biological specimens were Volychaetes, Memertean voims,
Also noted in screens was assorted trash.
Port TDD is non functional
γοι του
Bridge Watch Summary  Seesies — # of Sightings # of Animals Comments
# of Sightings # of Animals Comments
$\rho + \rho = 0$
Observator On Duty: Ballu/Bahadur

7,23,97 Loads: 3009-3028
Anex(s) Worked: 5tations 40+000 - 44 +000
Westher Conditions: Beaufort 3-4, partly cloudy, hazy, warm, winds
Below Mid-Depth
Condition of all screening apparatus: All apparatus is in excellent condition
there incidents involving endangered or protected species? YesNoX
Comments (type of material being dredged, biological specimens, etc.):
material being dredged was silt and
Miological specimens were Polychaetes
Nemerte an worms, Lamellibranch gastropéd
malluses and trace sargassum.
Abiotic specimens considered of
assorted trash.
Post TDD is non-functional
Observers departed vessel at 1830 hrs.
Bridge Watch Summary  # of Sightings # of Animals Comments
bowriding e perpoising in front of lanxers
COME) On Duty: BALLA / BAHADUR

Parc: 7,26,97 Loads: 3042 - 3059
Vien(s) Warked: Stations 70 to00 - 75 toco
Weather Conditions: Beaufort 3-4, Overcest, rainy becoming sunny, Winds light/variable
Below Mid-Depth
ordinion of all screening apparatus: All appointus is in excellent condition
here/incidents involving endangered or protected species? YesNoX
type of material being dredged, biological specimens, etc.): Molerial being dredged
S. 1. 1.
biological specimens included 3 large whelks, various large
ibonch shells
Also noted in screens was light, assorted trash.
Port TDD is missing chains.
Observers boorded vessel of 1015 hrs.
There were no inciclents.
Bridge Watch Summary
# of Sightings # of Animals Comments
Borrer(s) On Duty: Bohadur/Ballo
the same on Dury. To the same of parties

## ENDANGERED SPECIES OBSERVER PROGRAM

Dredge Mermentau / Sabine-Naches Waterway USACE, Galveston District

### **WEEKLY SUMMARY**

Dates: F 120 197 - 4 126 197 Loads: 2931 - 3059
Range of H <sub>2</sub> O Temperature: Surface <u>28-32°C</u> Below Mid-Depth
Area(s) Worked: Stations 40+000 - 46+000 ond 70+000 - 75+000
Are there incidents involving endangered or protected species? Yes
Comments: Observers disembarked the Mermenton and boarded the
Atchatalogic of 1830 hrs on 7/23. The Mermenton headed to shipperd
in Texas City and the Atchasalaya began noter injection diadaina
operations. When the Mermentau returned to the dia site the
Alchafalaum coased diedging and at 1015 hrs on 7/26 the observers disembarked the Alchafalaum and reboarded the Meimenton as this
vessel resumed dredging.
Material being dredged was sandy sit and some clay
Violegical specimens were I Southern Stimerry lamply to ach and
postropod molluscan shells, Firant and sedentary polychaetes, Nemerteap
THE THE PROPERTY OF WILLIAMS
Ascorted light track was also abound in comming
The fort turtle detlector device was domaged on 1214 hrs The
conflicted state of this device is missing excluder chains
Was noted as the vessel negan crediting stations 70 to00 75 to00
The ways he was be wester began credbying stations 70,000 75,000
There were no incidents
Bridge Watch Summary
Species # of Sightings # of Animals Comments
T-truncatus Continuous sightings of onimals noted throughout the day
in the vicinity of the Channel. Behaviors included box
riding, slow rolling breaching, test slapping and porpossing lods
as large as 20 animals were observed.
Observers On Duty: Bahadur / Balla

Date: + 12	27 / 97 Loads: 3059 - 3087
	1: Stations 70 rocc - 75 roco
	tions: Seas 1-2 ft, WSW wind 15 kts, Ptly cloudy skies
	Temperature: Surface 31-32°C Below Mid-Depth
Condinion of all	screening apparatus: All apparatus is in excellent condition
Comments (type	lents involving endangered or protected species? Yes No
<u> </u>	laterial being dredged was silt with some clay
	iological specimens included lamellibranch and gostropod shells
mertean	norms Frant Sedenting polychaete annelias and trace
Massum	
r she	
	Very little objetic debris is being observed.
	Post IVV is missing some excluder chains
The same of the sa	There is a conspicuous reduction in the frequency of
incsiops	runcatus sightings this for offshore.
	There were no incidents.
	Bridge Watch Summary
accios	# of Sightings # of Animals Comments
مرون ا	" or o-grounds " or running geninena
	$\rho + I / \rho + 1$
basever(s) On I	Duty: Bahadur Balla

Area(s) Worked: Stations 70+000 - 75+000
Pange of H <sub>2</sub> O Temperature: Surface 29-31°C Below Mid-Depth
Range of H <sub>2</sub> O Temperature: Surface 29-31°C Below Mid-Depth
Condition of all screening apparatus: All apparatus is in excellent condition
Are there incidents involving endangered or protected species? Yes No
Comments (type of material being dredged, biological specimens, etc.):
Material being dredged was silt
Biological specimens were libranchs (mostly oysters), gastopods Frant
sedentary polychaetes and Nemertean norms.
Abiotic debris nos also observed in screening
Part TDD is missing excluder chains
There were no incidents.
Bridge Watch Summary
# of Sightings # of Animals Comments
N/A
Charver(s) On Duty: Balla / Behadur
The state of the s

Date: 7 / 29	/97 Load 10 <sup>1000</sup> — 7	s: 3   19	-3149	
Area(s) Worked:	$70^{1000} - 7$	5 F000		
Weather Conditions	: WSW wind to	20 kts, Sea	151-3ft,	Overcast
Range of H <sub>2</sub> O Temp	perature: Surface	31°C		Below Mid-Depth
Condition of all scre	ening apparatus:_A	11 apperatu	s is in	excellent condition
		<b>V</b> •		
	involving endange			
	material being dredg			etc.):
Malena	Deing dredge	y was	<u> 5117 </u>	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
				h and gostropol molluses
				place (errontion sedentaria)
An Inch	about	c or or or	Sisting of	plustic rope, scrapmetal, fishing
ert T	~ ^	exclude	c chaire	ou screening.
Charles Comments		X1 I	CROITS	
here	were no incid	xem2.		
Alexander of the second			<u>, ,</u>	
		**************************************		
Sh. T				
		Bridge We	atch Summar	·v
	# of Ciahrinas #		Comments	
المالمان	# of Sightings #	or Aminais	Comments	
S S S S S S S S S S S S S S S S S S S				
44	-			
Observer(s) On Dut	v:_6			
operation to the second secon				

Date: 7/	30,97 Loads: $3199 - 3177$
Area(s) Work	ed: Stations 70 to00 - 75 to00
Weather Cond	ditions: Wind WSW 8-lokets, Seas 1-3 ft, Mostly clear skies - light roir
Pance of H <sub>2</sub> O	Temperature: Surface 31°C Below Mid-Depth
<b>Condition</b> of a	all screening apparatus: All apparatus is in excellent condition
Apothere inc	idents involving endangered or protected species? Yes No
	pe of material being dredged, biological specimens, etc.):
	Moderial dredged was silt with light clay
	kiological specimens were lumellibranch (mostly ousters), gastropools (errant and sodontary) and Nemertean worms
	Abiotic debris consisting of light, assorted trash was also observed
1995	screening string
	Port Side TDD is missing excluder chains
	There were no incidents
a de	
	Bridge Watch Summary
Species	# of Sightings # of Animals Comments
Mine Sigl	n bec
	0. 10
Observer(s) Or	n Duty: Bahadur/Balla

Date: 7,31,97 Loads: 3178-3207
70,000
Weather Conditions: Winds W-5W 10 Xts, seas 1-4ft, overcast
Range of H <sub>2</sub> O Temperature: Surface 30° C Below Mid-Depth
Condition of all screening apparatus: All apparatus is in excellent condition
Condition of all screening apparatus. Hit deposit of the condition of all screening apparatus.
Arcithere incidents involving endangered or protected species? Yes No
Comments (type of material being dredged, biological specimens, etc.):
material dredged was silt with some clay
Miological specimens included lamellibranchs
(predominant specimen), gastropods, Nemertean worms
a errant a sedentary polychaetes.
Assorted, Light trash was also observed in
inflow screening.  Post TDD is missing excluder engins
There were no incidents
Bridge Watch Summary
Species # of Sightings # of Animals Comments
noted throughout the day in the vicinity of
The channel. Dehaviors included bowreding.
slow ralling, breaching, milling a porpoising.
Animals milled around o'dredge o during operations
Character(s) On Duty: Bahadur / Balla for several minutes up to
15minuks.

Date: 8 / 1 / 17  Area(s) Worked: 70 +000 Loads: 3208 - 3237  75 +000
Weather Conditions: NEWINDS 15-25, Overcust thazy, Beaufort 2-4, lightrain.
Range of H <sub>2</sub> O Temperature: Surface 31 C Below Mid-Depth
Condition of all screening apparatus: All apparatus is in excellent condition
Are there incidents involving endangered or protected species? Yes
Comments (type of material being dredged, biological specimens, etc.):  Material being dredged was sitt  Biglogical specimens included lamellibranch  and aastropood molluses, Nemerlean worms, Polychaeles and frace scargassum.  Abiotic specimens included light, assorted trash.  Port TDD is working repairs complete  There were no incidents.
•
Bridge Watch Summary  Species # of Sightings # of Animals Comments
Tt. 1 Left completely out of
vuler
Observer(s) On Duty: Bahadur Balla

Date: $8/2/17$ Loads: $3238 - 3245$
Area(s) Worked: 70 75
Weather Conditions: NE Winds 20 kls, Overast/hazy 1005 1-311
Range of H <sub>2</sub> O Temperature: Surface Below Mid-Depth
Condition of all screening apparatus: All approaches in excellent and tion
Are there incidents involving endangered or protected species? Yes No
Comments (type of material being dredged, biological specimens, etc.):
Muteral diseduced was all with highly clay
Bidagual specimens included gestiget and kundlikeinchis
Nemertean Marin - Polischartes (Franka & Sommationa) and Inglit
Samossum
About a sperimens in inflow screening was light hash
There were pointed:
$\overline{a}$
headed to the dick The year I is heretest to Moth continue
to legin dressing at a different sile
Bridge Watch Summary
Species # of Sightings # of Animals Comments
$r = \frac{1}{2} \left( \frac{1}{2} \left( \frac{1}{2} \right) \right) \left( \frac{1}{2} \left( \frac{1}{2} \right) \right)$
Observer(s) On Duty: 10 10 10 10 10 10 10 10 10 10 10 10 10